

peTurboGFP-PRL-dest1 vector

Table of restriction sites

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AanI	TTA!TAA	2	2187; 2392
AarI	CACCTGCNNNN!	1	548
AarI	!NNNNNNNNGCAGGTG	0	
AasI	GACNNNN!NNGTC	3	2475; 3431; 5220
AatI	AGG!CCT	1	3225
AatII	GACGT!C	0	
AbsI	CC!TCGAGG	0	
AccI	GT!MKAC	1	58
AccII	CG!CG	18	69; 443; 599; 704; 937; 2328; 2704; 2724; 2748; 2779; 3470; 3771; 4209; 4293; 4356; 4425; 4698; 5279
AccIII	T!CCGGA	0	
Acc16I	TGC!GCA	1	3506
Acc36I	ACCTGCNNNN!	4	275; 548; 3672; 4122
Acc36I	!NNNNNNNNGCAGGT	1	3291
Acc65I	G!GTACC	1	63
AccB1I	G!GYRCC	9	63; 151; 196; 244; 307; 469; 2557; 3403; 3438
AccB7I	CCANNNN!NTGG	1	282
AccBSI	CCG!CTC	2	2828; 4017
AccBSI	GAG!CGG	4	113; 878; 2664; 4071
AceIII	CAGCTCNNNNNNN!	3	627; 1833; 2360
AceIII	!NNNNNNNNNNNGAGCTG	2	163; 718
AciI	C!CGC	38	67; 122; 141; 213; 375; 426; 441; 516; 582; 699; 702; 820; 935; 1192; 2719; 2722; 2736; 2826; 3074; 3086; 3095; 3107; 3117; 3128; 3174; 3313; 3376; 3878; 3923; 3989; 4015; 4140; 4143; 4291; 4423; 4730; 4874; 5370
AciI	G!CGG	32	69; 113; 185; 188; 320; 359; 398; 605; 826; 832; 878; 931; 2664; 2691; 2779; 2889; 3470; 3534; 3635; 3638; 3918; 3973; 4071; 4209; 4356; 4496; 4739; 4984; 5105; 5124; 5251; 5279
AcI	AA!CGTT	0	
AcIWI	GGATCNNNN!	12	86; 722; 925; 963; 1119; 3272; 3583; 3829; 4221; 4580; 4678; 4764
AcIWI	!NNNNNGATCC	6	73; 950; 3648; 4192; 4579; 4676
AcoI	Y!GGCCR	6	438; 932; 3310; 3484; 3875; 3902
AcsI	R!AATTY	5	47; 1872; 2218; 2322; 2333
AcuI	CTGAAGNNNNNNNNNNNNNNNN!	2	3550; 3982
AcuI	!NNNNNNNNNNNNNNCTTCAG	5	240; 402; 573; 952; 4780
AcvI	CAC!GTG	3	279; 411; 952
AcyI	GR!CGYC	4	245; 3404; 4106; 4185
AdeI	CACNNN!GTG	1	2520
AfaI	GT!AC	7	65; 388; 748; 1059; 1301; 1433; 3710
AfeI	AGC!GCT	1	14
AfiI	CCNNNNN!NNGG	21	207; 282; 432; 705; 825; 1451; 2416; 2742; 3134; 3385; 3929; 4210; 4242; 4374; 4409; 4459; 4491; 4844; 5123; 5289; 5307
AfiII	C!TTAAG	1	2286
AfiIII	A!CRYGT	1	5322
AgeI	A!CCGGT	1	84
AgsI	TTS!AA	8	459; 645; 762; 2815; 2859; 2869; 3282; 4858
AhdI	GACNNN!NNGTC	0	
AhI	A!CTAGT	0	
AjiI	CAC!GTC	0	
AjiI	GAC!GTG	0	
AjnI	!CCWGG	12	869; 1825; 1930; 2938; 2993; 3010; 3789; 4368; 4471; 5161; 5174; 5295
AjuI	GAANNNNNNNNTTGGNNNNNNNNNN!	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AjuI	!NNNNNNCCAANNNTTTC	0	
AjuI	CCAANNNTTTCNNNNNNNNNN!	0	
AjuI	!NNNNNNNGAANNNTTGG	0	
AleI	CACNN!NNGTG	0	
AlfI	GCANNNTGCGNNNNNNNNNN!	2	2978; 3050
AlfI	!NNNNNNNNNGCANNNTGCG	2	2944; 3016
AloI	GAACNNNTCCNNNNNNNNNN!	1	2486
AloI	!NNNNNNNGGANNTGTC	0	
AloI	GGANNNTGTCNNNNNNNNNN!	0	
AloI	!NNNNNNNGAACNNNTTCC	1	2454
AluI	AG!CT	25	36; 42; 177; 416; 422; 575; 617; 732; 946; 1706; 1717; 1774; 1823; 1953; 2183; 2350; 2607; 2902; 3190; 3510; 3968; 4765; 5022; 5068; 5158
AluBI	AG!CT	25	36; 42; 177; 416; 422; 575; 617; 732; 946; 1706; 1717; 1774; 1823; 1953; 2183; 2350; 2607; 2902; 3190; 3510; 3968; 4765; 5022; 5068; 5158
AlwI	GGATCNNNN!	12	86; 722; 925; 963; 1119; 3272; 3583; 3829; 4221; 4580; 4678; 4764
AlwI	!NNNNNGATCC	6	73; 950; 3648; 4192; 4579; 4676
Alw21I	GWGCW!C	6	38; 238; 539; 3517; 3707; 5012
Alw26I	GTCTCN!	1	1110
Alw26I	!NNNNNGAGAC	4	2828; 3246; 4265; 4393
Alw44I	G!TGCAC	1	5008
AlwNI	CAGNNN!CTG	3	1826; 4505; 4913
Ama87I	C!YCGRG	5	31; 74; 202; 481; 797
Aor13HI	T!CCGGA	0	
Aor51HI	AGC!GCT	1	14
ApaI	GGGCC!C	2	75; 685
ApaBI	GCANNNN!TGC	4	905; 2972; 3044; 4506
ApaLI	G!TGCAC	1	5008
ApeKI	G!CWGC	21	405; 518; 572; 852; 898; 946; 1703; 1893; 2180; 2699; 3364; 3465; 3507; 3548; 3641; 4028; 4481; 4707; 4913; 4916; 4981
ApoI	R!AATTY	5	47; 1872; 2218; 2322; 2333
ApyPI	ATCGACNNNNNNNNNNNNNNNNNN!	1	3919
ApyPI	!NNNNNNNNNNNNNNNNNGTCGAT	3	3713; 4366; 5204
AquII	GCCGNACNNNNNNNNNNNNNNNNNN!	1	3803
AquII	!NNNNNNNNNNNNNNNNNGTNCGGC	0	
AquIII	GAGGAGNNNNNNNNNNNNNNNNNN!	2	734; 3232
AquIII	!NNNNNNNNNNNNNNNNNCTCCTC	0	
AquIV	GRGGAAGNNNNNNNNNNNNNNNNNN!	0	
AquIV	!NNNNNNNNNNNNNNNNNCTCCYC	3	459; 1793; 3974
ArsI	GACNNNNNTTYGNNNNNNNNNN!	0	
ArsI	!NNNNNCRANNNNNGTC	0	
ArsI	CRAANNNNNGTCNNNNNNNNNNNN!	0	
ArsI	!NNNNNNNGACNNNNNTTYG	0	
AscI	GG!CGGCC	0	
AseI	AT!TAAT	0	
Asi256I	G!ATC	29	28; 79; 132; 447; 495; 510; 562; 715; 794; 918; 956; 1112; 2062; 3242; 3246; 3265; 3576; 3654; 3735; 3744; 3822; 4198; 4214; 4573; 4585; 4663; 4671; 4682; 4757
AsiGI	A!CCGGT	1	84
AsiSI	GCGAT!CGC	0	
AspI	GACN!NNGTC	1	3522
Asp700I	GAANN!NNTTC	1	334
Asp718I	G!GTACC	1	63
AspA2I	C!CTAGG	2	3226; 4241
AspEI	GACNNN!NNGTC	0	
AspLEI	GCG!C	25	15; 247; 599; 652; 837; 2670; 2678; 2704; 2726; 2735; 2748; 2779; 3398; 3406; 3470; 3507; 3773; 4033; 4209; 4295; 4698; 4807; 4981; 5081; 5148
AspS9I	G!GNCC	17	71; 72; 210; 681; 682; 885; 985; 1778; 1853; 1934; 2034; 2511; 3920; 4365; 4411; 4469; 4502
AssI	AGT!ACT	0	
AsuII	TT!CGAA	2	45; 4086

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AsuC2I	CC!SGG	7	75; 76; 769; 3408; 3568; 4181; 4945
AsuHPI	GGTGANNNNNNNN!	5	474; 796; 985; 4475; 4591
AsuHPI	!NNNNNNNTCACC	7	138; 492; 570; 883; 1868; 2521; 3582
AsuNHI	G!CTAGC	0	
AvaI	C!YCGRG	5	31; 74; 202; 481; 797
AvaII	G!GWCC	4	885; 985; 3920; 4365
AviII	TGC!GCA	1	3506
AvrII	C!CTAGG	2	3226; 4241
AxyI	CC!TNAGG	2	2884; 4516
BaeI	ACNNNNGTAYCNNNNNNNNNNN!	0	
BaeI	!NNNNNNNGRTACNNNNGT	0	
BaeI	GRTACNNNNGTNNNNNNNNNNNNN!	0	
BaeI	!NNNNNNNNNACNNNNGTAYC	0	
BaeGI	GKGCMI!C	8	75; 199; 472; 685; 870; 3350; 3443; 5012
BalI	TGG!CCA	1	3486
BamHI	G!GATCC	2	78; 955
BanI	G!GYRCC	9	63; 151; 196; 244; 307; 469; 2557; 3403; 3438
BanII	GRGCY!C	6	38; 75; 685; 2595; 3769; 4479
BanIII	AT!CGAT	1	3244
BarI	GAAGNNNNNTACNNNNNNNNNNN!	0	
BarI	!NNNNNNNGTANNNNNNCTTC	0	
BarI	GTANNNNNNCTTCNNNNNNNNNNN!	0	
BarI	!NNNNNNNGAAGNNNNNTAC	0	
BasI	CCANNNN!NTGG	1	282
BauI	C!ACGAG	2	4122; 5149
BauI	C!TCGTG	1	3996
BbeI	GGCGC!C	2	248; 3407
Bbr7I	GAAGACNNNNNNN!	0	
Bbr7I	!NNNNNNNNNNNGTCTTC	0	
BbrPI	CAC!GTG	3	279; 411; 952
BbsI	GAAGACNN!	0	
BbsI	!NNNNNGTCTTC	0	
BbuI	GCATG!C	3	2974; 3046; 3809
BbvI	GCAGCNNNNNNN!	10	530; 584; 910; 1715; 2192; 3477; 3519; 4040; 4493; 4993
BbvI	!NNNNNNNNNNNGCTGC	10	392; 839; 933; 1880; 2686; 3351; 3535; 3628; 4694; 4900
Bbv12I	GWGCW!C	6	38; 238; 539; 3517; 3707; 5012
BbvCI	CC!TCAGC	0	
BbvCI	GC!TGAGG	0	
BccI	CCATCNNNN!	7	355; 661; 1864; 2534; 3098; 3624; 4126
BccI	!NNNNNGATGG	8	276; 459; 562; 838; 876; 2502; 3282; 3710
BceAI	ACGGCNNNNNNNNNNN!	7	177; 306; 372; 411; 618; 3830; 4317
BceAI	!NNNNNNNNNNNNNGCCGT	3	2545; 3363; 4822
BcefI	ACGGCNNNNNNNNNNN!	7	177; 306; 372; 411; 618; 3830; 4317
BcefI	!NNNNNNNNNNNNNGCCGT	3	2546; 3364; 4823
BcgI	CGANNNNNTGCNNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNNGCANNNNNTCG	0	
BcgI	GCANNNNNTCGNNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNCGANNNNNTGC	0	
BciVI	GTATCCNNNNNN!	3	2833; 3623; 5124
BciVI	!NNNNNGGATAC	0	
BclI	T!GATCA	0	
BcnI	CC!SGG	7	75; 76; 769; 3408; 3568; 4181; 4945
BcuI	A!CTAGT	0	
BdaI	TGANNNNNNTCANNNNNNNNNNN!	1	5257
BdaI	!NNNNNNNNNTGANNNNNTCA	1	5223
BfaI	C!TAG	11	10; 914; 1297; 1775; 2059; 2253; 2671; 3227; 4242; 4576; 4829
BfiI	ACTGGGNNNNN!	2	2026; 3353
BfiI	!NNNNCCCAGT	1	3105
BfmI	C!TRYAG	7	52; 612; 670; 896; 2739; 4866; 5057
BfoI	RGCGC!Y	7	16; 248; 653; 2671; 2679; 3407; 5082
BfrI	C!TTAAG	1	2286
BfuI	GTATCCNNNNNN!	3	2833; 3623; 5124
BfuI	!NNNNNGGATAC	0	

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BfuAI	ACCTGCNNNN!	4	275; 548; 3672; 4122
BfuAI	!NNNNNNNNGCAGGT	1	3291
BfuCI	!GATC	29	27; 78; 131; 446; 494; 509; 561; 714; 793; 917; 955; 1111; 2061; 3241; 3245; 3264; 3575; 3653; 3734; 3743; 3821; 4197; 4213; 4572; 4584; 4662; 4670; 4681; 4756
BglI	GCCNNNN!NGGC	1	3179
BglII	A!GATCT	2	27; 793
BisI	GC!NGC	49	114; 141; 186; 213; 321; 360; 399; 406; 441; 519; 573; 606; 702; 833; 853; 899; 932; 935; 947; 1704; 1894; 2181; 2700; 2722; 2736; 3174; 3313; 3365; 3376; 3466; 3471; 3508; 3549; 3636; 3639; 3642; 3878; 3974; 4015; 4029; 4143; 4482; 4497; 4708; 4914; 4917; 4982; 5125; 5280
BlnI	C!CTAGG	2	3226; 4241
BlpI	GC!TNAGC	1	271
BlsI	GCN!GC	49	115; 142; 187; 214; 322; 361; 400; 407; 442; 520; 574; 607; 703; 834; 854; 900; 933; 936; 948; 1705; 1895; 2182; 2701; 2723; 2737; 3175; 3314; 3366; 3377; 3467; 3472; 3509; 3550; 3637; 3640; 3643; 3879; 3975; 4016; 4030; 4144; 4483; 4498; 4709; 4915; 4918; 4983; 5126; 5281
BmcAI	AGT!ACT	0	
Bme18I	G!GWCC	4	885; 985; 3920; 4365
Bme1390I	CC!NGG	19	75; 76; 769; 871; 1827; 1932; 2940; 2995; 3012; 3408; 3568; 3791; 4181; 4370; 4473; 4945; 5163; 5176; 5297
BmeRI	GACNNN!NNGTC	0	
BmeT110I	C!YCGRG	5	31; 74; 202; 481; 797
BmgBI	CAC!GTC	0	
BmgBI	GAC!GTG	0	
BmgT120I	GG!NCC	17	72; 73; 211; 682; 683; 886; 986; 1779; 1854; 1935; 2035; 2512; 3921; 4366; 4412; 4470; 4503
BmiI	GGN!NCC	25	65; 73; 80; 153; 198; 246; 309; 471; 683; 957; 986; 1987; 2559; 2580; 2592; 2783; 2944; 3016; 3405; 3440; 4288; 4367; 4412; 5255; 5294
BmrI	ACTGGGNNNNN!	2	2026; 3353
BmrI	!NNNNCCAGT	1	3105
BmrFI	CC!NGG	19	75; 76; 769; 871; 1827; 1932; 2940; 2995; 3012; 3408; 3568; 3791; 4181; 4370; 4473; 4945; 5163; 5176; 5297
BmsI	GCATCNNNNN!	11	152; 386; 674; 746; 1100; 2220; 2983; 3055; 3703; 3767; 4042
BmsI	!NNNNNNNNNGATGC	5	762; 3362; 3617; 3833; 5225
BmtI	GCTAG!C	0	
BmuI	ACTGGGNNNNN!	2	2026; 3353
BmuI	!NNNNCCAGT	1	3105
BoxI	GACNN!NNGTC	0	
BpiI	GAAGACNN!	0	
BpiI	!NNNNNGTCTTC	0	
BpII	GAGNNNNNCTCNNNNNNNNNNNNN!	2	3193; 4092
BpII	!NNNNNNNGAGNNNNNCTC	2	3161; 4060
BpmI	CTGGAGNNNNNNNNNNNNNNN!	1	4244
BpmI	!NNNNNNNNNNNNNNCTCCAG	1	4187
Bpu10I	CC!TNAGC	0	
Bpu10I	GC!TNAGG	0	
Bpu14I	TT!CGAA	2	45; 4086
Bpu1102I	GC!TNAGC	1	271
BpuAI	GAAGACNN!	0	
BpuAI	!NNNNNGTCTTC	0	
BpuEI	CTTGAGNNNNNNNNNNNNNNN!	3	2059; 4698; 5237
BpuEI	!NNNNNNNNNNNNNNCTCAAG	3	22; 3780; 4939
BpuMI	CC!SGG	7	75; 76; 769; 3408; 3568; 4181; 4945
BpvUI	CGAT!CG	0	
BsaI	GGTCTCN!	0	
BsaI	!NNNNNGAGACC	1	4393
Bsa29I	AT!CGAT	1	3244
BsaAI	YAC!GTR	5	279; 411; 952; 2520; 3708
BsaBI	GATNN!NNATC	3	560; 2066; 3263
BsaHI	GR!CGYC	4	245; 3404; 4106; 4185

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BsaJI	C!CNNGG	27	67; 74; 95; 125; 482; 530; 548; 620; 767; 810; 869; 1826; 1930; 2938; 3010; 3133; 3168; 3177; 3226; 3567; 3836; 4241; 4368; 4369; 4471; 4472; 5162
BsaMI	GAATGCN!	1	2155
BsaMI	G!CATTC	1	2248
BsaWI	W!CCGGW	6	18; 84; 3435; 4279; 4969; 5116
BsaXI	ACNNNNNCTCCNNNNNNNNNN!	2	631; 2484
BsaXI	!NNNNNNNGGAGNNNNNGT	1	121
BsaXI	GGAGNNNNNGTNNNNNNNNNN!	1	151
BsaXI	!NNNNNNNNACNNNNNCTCC	2	601; 2454
BsbI	CAACACNNNNNNNNNNNNNNNNNNNN	2	395; 749
BsbI	!NNNNNNNNNNNNNNNNNGTGTG	2	2405; 4312
Bsc4I	CCNNNNN!NNGG	21	207; 282; 432; 705; 825; 1451; 2416; 2742; 3134; 3385; 3929; 4210; 4242; 4374; 4409; 4459; 4491; 4844; 5123; 5289; 5307
BscAI	GCATCNNNN!	11	151; 385; 673; 745; 1099; 2219; 2982; 3054; 3702; 3766; 4041
BscAI	!NNNNNNGATGC	5	765; 3365; 3620; 3836; 5228
Bse1I	ACTGGN!	4	2021; 3348; 3549; 4795
Bse1I	C!CAGT	5	1884; 2433; 3111; 4907; 4920
Bse8I	GATNN!NNATC	3	560; 2066; 3263
Bse21I	CC!TNAGG	2	2884; 4516
Bse118I	R!CCGGY	10	84; 148; 436; 472; 781; 822; 2621; 3723; 3904; 4187
BseAI	T!CCGGA	0	
BseBI	CC!WGG	12	871; 1827; 1932; 2940; 2995; 3012; 3791; 4370; 4473; 5163; 5176; 5297
BseCI	AT!CGAT	1	3244
BseDI	C!CNNGG	27	67; 74; 95; 125; 482; 530; 548; 620; 767; 810; 869; 1826; 1930; 2938; 3010; 3133; 3168; 3177; 3226; 3567; 3836; 4241; 4368; 4369; 4471; 4472; 5162
Bse3DI	GCAATGNN!	1	3637
Bse3DI	!CATTGC	0	
BseGI	GGATGNN!	8	573; 777; 846; 887; 3264; 3721; 3746; 4200
BseGI	!CATCC	4	512; 653; 665; 3090
BseJI	GATNN!NNATC	3	560; 2066; 3263
BseLI	CCNNNNN!NNGG	21	207; 282; 432; 705; 825; 1451; 2416; 2742; 3134; 3385; 3929; 4210; 4242; 4374; 4409; 4459; 4491; 4844; 5123; 5289; 5307
BseMI	GCAATGNN!	1	3637
BseMI	!CATTGC	0	
BseMII	CTCAGNNNNNNNNNN!	3	38; 1121; 4530
BseMII	!NNNNNNNNCTGAG	9	262; 951; 1243; 1755; 2875; 3177; 4058; 4630; 5039
BseNI	ACTGGN!	4	2021; 3348; 3549; 4795
BseNI	C!CAGT	5	1884; 2433; 3111; 4907; 4920
BsePI	G!CGCGC	0	
BseRI	GAGGAGNNNNNNNNNN!	2	724; 3222
BseRI	!NNNNNNNNCTCCTC	0	
BseSI	GKGCMI!C	8	75; 199; 472; 685; 870; 3350; 3443; 5012
BseXI	GCAGCNNNNNNNN!	10	530; 584; 910; 1715; 2192; 3477; 3519; 4040; 4493; 4993
BseXI	!NNNNNNNNNNNGCTGC	10	392; 839; 933; 1880; 2686; 3351; 3535; 3628; 4694; 4900
BseX3I	C!GGCCG	3	438; 932; 3310
BseYI	C!CCAGC	5	316; 661; 2947; 3019; 5018
BseYI	G!CTGGG	2	732; 3908
BsgI	GTGCAGNNNNNNNNNNNNNNNN!	1	1908
BsgI	!NNNNNNNNNNNNCTGCAC	4	325; 391; 526; 932
Bsh1236I	CG!CG	18	69; 443; 599; 704; 937; 2328; 2704; 2724; 2748; 2779; 3470; 3771; 4209; 4293; 4356; 4425; 4698; 5279
Bsh1285I	CGRY!CG	5	89; 441; 935; 3313; 4988
BshFI	GG!CC	28	73; 116; 212; 436; 440; 683; 934; 1779; 1854; 1935; 2036; 2370; 2512; 3167; 3173; 3182; 3225; 3312; 3486; 3877; 3904; 4413; 4470; 4503; 4848; 5282; 5300; 5311
BshNI	G!GYRCC	9	63; 151; 196; 244; 307; 469; 2557; 3403; 3438
BshTI	A!CCGGT	1	84
BshVI	AT!CGAT	1	3244
BsiEI	CGRY!CG	5	89; 441; 935; 3313; 4988

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BsiHKAI	GWGCW!C	6	38; 238; 539; 3517; 3707; 5012
BsiHKCI	C!YCGRG	5	31; 74; 202; 481; 797
BsiSI	C!CGG	25	19; 75; 85; 149; 437; 473; 769; 782; 823; 2622; 3309; 3386; 3408; 3436; 3567; 3657; 3724; 3905; 4180; 4188; 4280; 4754; 4944; 4970; 5117
BsiWI	C!GTACG	0	
BsII	CCNNNNN!NNGG	21	207; 282; 432; 705; 825; 1451; 2416; 2742; 3134; 3385; 3929; 4210; 4242; 4374; 4409; 4459; 4491; 4844; 5123; 5289; 5307
BsIFI	GGGACNNNNNNNNNN!	4	998; 3555; 4087; 4196
BsIFI	!NNNNNNNNNNNNNGTCCC	4	2920; 2992; 3056; 4351
BsmI	GAATGCN!	1	2155
BsmI	G!CATTG	1	2248
BsmAI	GTCTCN!	1	1110
BsmAI	!NNNNNGAGAC	4	2828; 3246; 4265; 4393
BsmBI	CGTCTCN!	0	
BsmBI	!NNNNNGAGACG	0	
BsmFI	GGGACNNNNNNNNNN!	4	998; 3555; 4087; 4196
BsmFI	!NNNNNNNNNNNNNGTCCC	4	2920; 2992; 3056; 4351
BsnI	GG!CC	28	73; 116; 212; 436; 440; 683; 934; 1779; 1854; 1935; 2036; 2370; 2512; 3167; 3173; 3182; 3225; 3312; 3486; 3877; 3904; 4413; 4470; 4503; 4848; 5282; 5300; 5311
Bso31I	GGTCTCN!	0	
Bso31I	!NNNNNGAGACC	1	4393
BsoBI	C!YCGRG	5	31; 74; 202; 481; 797
Bsp13I	T!CCGGA	0	
Bsp19I	C!CATGG	6	95; 125; 548; 810; 3133; 3836
Bsp24I	GACNNNNNTGGNNNNNNNNNNNN!	1	4207
Bsp24I	!NNNNNNCCANNNNNNNGTC	2	4628; 4806
Bsp24I	CCANNNNNGTCNNNNNNNNNNNN!	2	4660; 4838
Bsp24I	!NNNNNNNGACNNNNNNNTGG	1	4175
Bsp68I	TCG!CGA	0	
Bsp119I	TT!CGAA	2	45; 4086
Bsp120I	G!GGCCC	2	71; 681
Bsp143I	!GATC	29	27; 78; 131; 446; 494; 509; 561; 714; 793; 917; 955; 1111; 2061; 3241; 3245; 3264; 3575; 3653; 3734; 3743; 3821; 4197; 4213; 4572; 4584; 4662; 4670; 4681; 4756
Bsp1286I	GDGCH!C	16	38; 75; 199; 238; 472; 539; 685; 870; 2595; 3350; 3443; 3517; 3707; 3769; 4479; 5012
Bsp1407I	T!GTACA	1	1431
Bsp1720I	GC!TNAGC	1	271
BspACI	C!CGC	38	67; 122; 141; 213; 375; 426; 441; 516; 582; 699; 702; 820; 935; 1192; 2719; 2722; 2736; 2826; 3074; 3086; 3095; 3107; 3117; 3128; 3174; 3313; 3376; 3878; 3923; 3989; 4015; 4140; 4143; 4291; 4423; 4730; 4874; 5370
BspACI	G!CGG	32	69; 113; 185; 188; 320; 359; 398; 605; 826; 832; 878; 931; 2664; 2691; 2779; 2889; 3470; 3534; 3635; 3638; 3918; 3973; 4071; 4209; 4356; 4496; 4739; 4984; 5105; 5124; 5251; 5279
BspCNI	CTCAGNNNNNNNNNN!	3	37; 1120; 4529
BspCNI	!NNNNNNNCTGAG	9	263; 952; 1244; 1756; 2876; 3178; 4059; 4631; 5040
BspDI	AT!CGAT	1	3244
BspD6I	GACTCNNNN!	4	30; 2477; 4083; 4960
BspD6I	!NNNNNGAGTC	4	969; 1759; 2440; 2872
BspEI	T!CCGGA	0	
BspFNI	CG!CG	18	69; 443; 599; 704; 937; 2328; 2704; 2724; 2748; 2779; 3470; 3771; 4209; 4293; 4356; 4425; 4698; 5279
BspHI	T!CATGA	2	2830; 4602
BspLI	GGN!NCC	25	65; 73; 80; 153; 198; 246; 309; 471; 683; 957; 986; 1987; 2559; 2580; 2592; 2783; 2944; 3016; 3405; 3440; 4288; 4367; 4412; 5255; 5294
BspMI	ACCTGCNNNN!	4	275; 548; 3672; 4122
BspMI	!NNNNNNNNGCAGGT	1	3291
BspOI	GCTAG!C	0	
BspPI	GGATCNNNN!	12	86; 722; 925; 963; 1119; 3272; 3583; 3829; 4221; 4580; 4678; 4764

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BspPI	!NNNNNGATCC	6	73; 950; 3648; 4192; 4579; 4676
BspQI	GCTCTCN!	0	
BspQI	!NNNNGAAGAGC	3	226; 3748; 3958
BspTI	C!TTAAG	1	2286
BspT104I	TT!CGAA	2	45; 4086
BspT107I	G!GYRCC	9	63; 151; 196; 244; 307; 469; 2557; 3403; 3438
BspTNI	GGTCTCN!	0	
BspTNI	!NNNNNGAGACC	1	4393
BsrI	ACTGGN!	4	2021; 3348; 3549; 4795
BsrI	C!CAGT	5	1884; 2433; 3111; 4907; 4920
BsrBI	CCG!CTC	2	2828; 4017
BsrBI	GAG!CGG	4	113; 878; 2664; 4071
BsrDI	GCAATGNN!	1	3637
BsrDI	!CATTGC	0	
BsrFI	R!CCGGY	10	84; 148; 436; 472; 781; 822; 2621; 3723; 3904; 4187
BsrGI	T!GTACA	1	1431
BsrSI	ACTGGN!	4	2021; 3348; 3549; 4795
BsrSI	C!CAGT	5	1884; 2433; 3111; 4907; 4920
BssAI	R!CCGGY	10	84; 148; 436; 472; 781; 822; 2621; 3723; 3904; 4187
BssECI	C!CNNGG	27	67; 74; 95; 125; 482; 530; 548; 620; 767; 810; 869; 1826; 1930; 2938; 3010; 3133; 3168; 3177; 3226; 3567; 3836; 4241; 4368; 4369; 4471; 4472; 5162
BssHII	G!CGCGC	0	
BssKI	!CCNGG	19	73; 74; 767; 869; 1825; 1930; 2938; 2993; 3010; 3406; 3566; 3789; 4179; 4368; 4471; 4943; 5161; 5174; 5295
BssMI	!GATC	29	27; 78; 131; 446; 494; 509; 561; 714; 793; 917; 955; 1111; 2061; 3241; 3245; 3264; 3575; 3653; 3734; 3743; 3821; 4197; 4213; 4572; 4584; 4662; 4670; 4681; 4756
BssNI	GR!CGYC	4	245; 3404; 4106; 4185
BssNAI	GTA!TAC	0	
BssSI	C!ACGAG	2	4122; 5149
BssSI	C!TCGTG	1	3996
BssT1I	C!CWWGG	8	95; 125; 548; 810; 3133; 3226; 3836; 4241
Bst6I	CTCTCN!	0	
Bst6I	!NNNNGAAGAG	4	226; 2871; 3748; 3958
Bst98I	C!TTAAG	1	2286
Bst1107I	GTA!TAC	0	
BstACI	GR!CGYC	4	245; 3404; 4106; 4185
BstAFI	C!TTAAG	1	2286
BstAPI	GCANNNN!NTGC	4	904; 2971; 3043; 4505
BstAUI	T!GTACA	1	1431
BstBI	TT!CGAA	2	45; 4086
Bst2BI	C!ACGAG	2	4122; 5149
Bst2BI	C!TCGTG	1	3996
BstBAI	YAC!GTR	5	279; 411; 952; 2520; 3708
Bst4CI	ACN!GT	14	63; 531; 889; 1062; 1290; 1605; 2495; 3784; 3900; 4008; 4331; 4822; 5292; 5363
BstC8I	GCN!NGC	37	71; 118; 122; 344; 403; 438; 595; 755; 824; 850; 1852; 1891; 1955; 2623; 2666; 2680; 2953; 2972; 3025; 3044; 3298; 3484; 3703; 3769; 3775; 3807; 3848; 3852; 3906; 4189; 4376; 4423; 4479; 4501; 4712; 5272; 5309
BstDEI	C!TNAG	14	24; 271; 960; 1107; 1252; 1764; 1949; 1999; 2884; 3186; 4067; 4516; 4639; 5048
BstDSI	C!CRYGG	9	67; 95; 125; 530; 548; 620; 810; 3133; 3836
BstEII	G!GTNACC	0	
BstENI	CCTNN!NNNAGG	0	
BstF5I	GGATGNN!	8	573; 777; 846; 887; 3264; 3721; 3746; 4200
BstF5I	!CATCC	4	512; 653; 665; 3090
BstFNI	CG!CG	18	69; 443; 599; 704; 937; 2328; 2704; 2724; 2748; 2779; 3470; 3771; 4209; 4293; 4356; 4425; 4698; 5279
BstH2I	RGCGC!Y	7	16; 248; 653; 2671; 2679; 3407; 5082
BstHHI	GCG!C	25	15; 247; 599; 652; 837; 2670; 2678; 2704; 2726; 2735; 2748; 2779; 3398; 3406; 3470; 3507; 3773; 4033; 4209; 4295; 4698; 4807; 4981; 5081; 5148

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BstKTI	GAT C	29	30; 81; 134; 449; 497; 512; 564; 717; 796; 920; 958; 1114; 2064; 3244; 3248; 3267; 3578; 3656; 3737; 3746; 3824; 4200; 4216; 4575; 4587; 4665; 4673; 4684; 4759
BstMAI	GTCTCN	1	1110
BstMAI	!NNNNNGAGAC	4	2828; 3246; 4265; 4393
BstMBI	!GATC	29	27; 78; 131; 446; 494; 509; 561; 714; 793; 917; 955; 1111; 2061; 3241; 3245; 3264; 3575; 3653; 3734; 3743; 3821; 4197; 4213; 4572; 4584; 4662; 4670; 4681; 4756
BstMCI	CGRY CG	5	89; 441; 935; 3313; 4988
BstMWI	GCNNNNN!NNGC	30	110; 149; 194; 242; 449; 581; 605; 832; 904; 943; 1920; 2631; 2661; 2688; 2730; 2971; 3043; 3094; 3173; 3395; 3479; 3502; 3641; 3764; 3847; 4114; 4301; 4505; 4704; 5276
BstNI	CC WGG	12	871; 1827; 1932; 2940; 2995; 3012; 3791; 4370; 4473; 5163; 5176; 5297
BstNSI	RCATG Y	5	639; 2974; 3046; 3809; 5326
BstOI	CC WGG	12	871; 1827; 1932; 2940; 2995; 3012; 3791; 4370; 4473; 5163; 5176; 5297
BstPI	G GTNACC	0	
BstPAI	GACNN!NNGTC	0	
BstSCI	!CCNGG	19	73; 74; 767; 869; 1825; 1930; 2938; 2993; 3010; 3406; 3566; 3789; 4179; 4368; 4471; 4943; 5161; 5174; 5295
BstSFI	C TRYAG	7	52; 612; 670; 896; 2739; 4866; 5057
BstSLI	GKGCM C	8	75; 199; 472; 685; 870; 3350; 3443; 5012
BstSNI	TAC GTA	0	
BstUI	CG CG	18	69; 443; 599; 704; 937; 2328; 2704; 2724; 2748; 2779; 3470; 3771; 4209; 4293; 4356; 4425; 4698; 5279
Bst2UI	CC WGG	12	871; 1827; 1932; 2940; 2995; 3012; 3791; 4370; 4473; 5163; 5176; 5297
BstV1I	GCAGCNNNNNNNN!	10	530; 584; 910; 1715; 2192; 3477; 3519; 4040; 4493; 4993
BstV1I	!NNNNNNNNNNNGCTGC	10	392; 839; 933; 1880; 2686; 3351; 3535; 3628; 4694; 4900
BstV2I	GAAGACNN!	0	
BstV2I	!NNNNNNGTCTTC	0	
BstX1	CCANNNNN!NTGG	1	1863
BstX2I	R GATCY	11	27; 78; 793; 955; 3575; 3821; 4213; 4572; 4584; 4670; 4681
BstYI	R GATCY	11	27; 78; 793; 955; 3575; 3821; 4213; 4572; 4584; 4670; 4681
BstZI	C GGCCG	3	438; 932; 3310
BstZ17I	GTA TAC	0	
BsuI	GTATCCNNNNNN!	3	2833; 3623; 5124
BsuI	!NNNNNGGATAC	0	
Bsu15I	AT CGAT	1	3244
Bsu36I	CC TNAGG	2	2884; 4516
BsuRI	GG CC	28	73; 116; 212; 436; 440; 683; 934; 1779; 1854; 1935; 2036; 2370; 2512; 3167; 3173; 3182; 3225; 3312; 3486; 3877; 3904; 4413; 4470; 4503; 4848; 5282; 5300; 5311
BsuTUI	AT CGAT	1	3244
BtgI	C CRYGG	9	67; 95; 125; 530; 548; 620; 810; 3133; 3836
BtgZI	GCGATGNNNNNNNNNN!	2	2521; 3856
BtgZI	!NNNNNNNNNNNNNCATCGC	2	3675; 4019
BthCI	GCNG C	49	116; 143; 188; 215; 323; 362; 401; 408; 443; 521; 575; 608; 704; 835; 855; 901; 934; 937; 949; 1706; 1896; 2183; 2702; 2724; 2738; 3176; 3315; 3367; 3378; 3468; 3473; 3510; 3551; 3638; 3641; 3644; 3880; 3976; 4017; 4031; 4145; 4484; 4499; 4710; 4916; 4919; 4984; 5127; 5282
BtrI	CAC GTC	0	
BtrI	GAC GTG	0	
BtsI	GCAGTGNN!	0	
BtsI	!CACTGC	1	2243
BtsCI	GGATGNN!	8	573; 777; 846; 887; 3264; 3721; 3746; 4200
BtsCI	!CATCC	4	512; 653; 665; 3090
BtuMI	TCG CGA	0	
BveI	ACCTGCNNNN!	4	275; 548; 3672; 4122
BveI	!NNNNNNNNGCAGGT	1	3291

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Cac8I	GCN!NGC	37	71; 118; 122; 344; 403; 438; 595; 755; 824; 850; 1852; 1891; 1955; 2623; 2666; 2680; 2953; 2972; 3025; 3044; 3298; 3484; 3703; 3769; 3775; 3807; 3848; 3852; 3906; 4189; 4376; 4423; 4479; 4501; 4712; 5272; 5309
CaiI	CAGNNN!CTG	3	1826; 4505; 4913
CciI	T!CATGA	2	2830; 4602
CciNI	GC!GGCCGC	1	932
CdiI	CATC!G	6	381; 741; 3693; 3698; 3896; 4037
CdiI	C!GATG	2	2507; 3842
CdpI	GCGGAGNNNNNNNNNNNNNNNNNNNNNN!	2	213; 5276
CdpI	!NNNNNNNNNNNNNNNNNNNNCTCCGC	3	1171; 3065; 3107
CelII	GC!TNAGC	1	271
CfoI	GCG!C	25	15; 247; 599; 652; 837; 2670; 2678; 2704; 2726; 2735; 2748; 2779; 3398; 3406; 3470; 3507; 3773; 4033; 4209; 4295; 4698; 4807; 4981; 5081; 5148
CfrI	Y!GGCCR	6	438; 932; 3310; 3484; 3875; 3902
Cfr9I	C!CCGGG	1	74
Cfr10I	R!CCGGY	10	84; 148; 436; 472; 781; 822; 2621; 3723; 3904; 4187
Cfr13I	G!GNCC	17	71; 72; 210; 681; 682; 885; 985; 1778; 1853; 1934; 2034; 2511; 3920; 4365; 4411; 4469; 4502
Cfr42I	CCGC!GG	1	70
ChaI	GATC!	29	31; 82; 135; 450; 498; 513; 565; 718; 797; 921; 959; 1115; 2065; 3245; 3249; 3268; 3579; 3657; 3738; 3747; 3825; 4201; 4217; 4576; 4588; 4666; 4674; 4685; 4760
CjeI	CCANNNNNNGTNNNNNNNNNNNNNNNN!	5	882; 3221; 4661; 4761; 4839
CjeI	!NNNNNNNNNACNNNNNNNTGG	6	1810; 2888; 2983; 4175; 4725; 5280
CjeI	ACNNNNNNNTGGNNNNNNNNNNNNNN!	6	1844; 2922; 3017; 4209; 4759; 5314
CjeI	!NNNNNNNNCCANNNNNNGT	5	848; 3187; 4627; 4727; 4805
CjePI	CCANNNNNNNTCNNNNNNNNNNNNNN!	2	4661; 4839
CjePI	!NNNNNNNNGANNNNNNTGG	3	1599; 4175; 4774
CjePI	GANNNNNNNTGGNNNNNNNNNNNN!	3	1632; 4208; 4807
CjePI	!NNNNNNNNCCANNNNNNTC	2	4628; 4806
ClaI	AT!CGAT	1	3244
CpoI	CG!GWCCG	1	3920
CseI	GACGCNNNN!	2	4114; 4193
CseI	!NNNNNNNNNCGCUTC	3	2737; 4632; 5210
CsiI	A!CCWGGT	1	2993
CspI	CG!GWCCG	1	3920
Csp6I	G!TAC	7	64; 387; 747; 1058; 1300; 1432; 3709
Csp45I	TT!CGAA	2	45; 4086
CspAI	A!CCGGT	1	84
CspCI	CAANNNNNGTGGNNNNNNNNNNNN!	0	
CspCI	!NNNNNNNNNCCACNNNNNTTG	0	
CspCI	CCACNNNNNTTGNNNNNNNNNNNN!	0	
CspCI	!NNNNNNNNNNCAANNNNNGTGG	0	
CstMI	AAGGAGNNNNNNNNNNNNNNNNNNNN!	2	2684; 4293
CstMI	!NNNNNNNNNNNNNNNNNNNNCTCCTT	0	
CviAII	C!ATG	24	96; 126; 216; 549; 636; 687; 811; 858; 1029; 1574; 1793; 2831; 2971; 3043; 3134; 3275; 3620; 3806; 3837; 3863; 4219; 4603; 5323; 5374
CviJI	RG!CY	108	36; 42; 73; 116; 177; 212; 260; 275; 287; 293; 323; 362; 416; 422; 436; 440; 476; 575; 593; 608; 617; 632; 683; 732; 809; 815; 901; 934; 946; 1706; 1717; 1753; 1774; 1779; 1823; 1854; 1893; 1914; 1923; 1935; 1953; 2036; 2073; 2183; 2350; 2370; 2512; 2593; 2607; 2621; 2902; 2943; 3015; 3138; 3167; 3173; 3182; 3190; 3213; 3225; 3231; 3312; 3329; 3337; 3364; 3389; 3473; 3482; 3486; 3510; 3548; 3624; 3641; 3660; 3723; 3767; 3777; 3794; 3877; 3904; 3908; 3945; 3968; 3984; 4164; 4191; 4252; 4374; 4413; 4470; 4477; 4484; 4503; 4514; 4765; 4794; 4837; 4848; 4913; 4992; 5017; 5022; 5068; 5158; 5256; 5282; 5300; 5311

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
CviKI-1	RG!CY	108	36; 42; 73; 116; 177; 212; 260; 275; 287; 293; 323; 362; 416; 422; 436; 440; 476; 575; 593; 608; 617; 632; 683; 732; 809; 815; 901; 934; 946; 1706; 1717; 1753; 1774; 1779; 1823; 1854; 1893; 1914; 1923; 1935; 1953; 2036; 2073; 2183; 2350; 2370; 2512; 2593; 2607; 2621; 2902; 2943; 3015; 3138; 3167; 3173; 3182; 3190; 3213; 3225; 3231; 3312; 3329; 3337; 3364; 3389; 3473; 3482; 3486; 3510; 3548; 3624; 3641; 3660; 3723; 3767; 3777; 3794; 3877; 3904; 3908; 3945; 3968; 3984; 4164; 4191; 4252; 4374; 4413; 4470; 4477; 4484; 4503; 4514; 4765; 4794; 4837; 4848; 4913; 4992; 5017; 5022; 5068; 5158; 5256; 5282; 5300; 5311
CviQI	G!TAC	7	64; 387; 747; 1058; 1300; 1432; 3709
DdeI	C!TNAG	14	24; 271; 960; 1107; 1252; 1764; 1949; 1999; 2884; 3186; 4067; 4516; 4639; 5048
DinI	GGC!GCC	2	246; 3405
DpnI	GA!TC	29	29; 80; 133; 448; 496; 511; 563; 716; 795; 919; 957; 1113; 2063; 3243; 3247; 3266; 3577; 3655; 3736; 3745; 3823; 4199; 4215; 4574; 4586; 4664; 4672; 4683; 4758
DpnII	!GATC	29	27; 78; 131; 446; 494; 509; 561; 714; 793; 917; 955; 1111; 2061; 3241; 3245; 3264; 3575; 3653; 3734; 3743; 3821; 4197; 4213; 4572; 4584; 4662; 4670; 4681; 4756
DraI	TTT!AAA	4	1476; 2106; 4548; 4567
DraII	RG!GNCCY	5	681; 985; 1778; 2034; 4502
DraIII	CACNNN!GTG	1	2520
DraRI	CAAGNACNNNNNNNNNNNNNNNNNNNNNN!	1	4884
DraRI	!NNNNNNNNNNNNNNNNNNNGTNCTTG	0	
DrdI	GACNNNN!NNGTC	3	2475; 3431; 5220
DrdIV	TACGACNNNNNNNNNNNNNNNNNNNNNN!	0	
DrdIV	!NNNNNNNNNNNNNNNNNNNGTCGTA	0	
DriI	GACNNN!NNGTC	0	
DseDI	GACNNNN!NNGTC	3	2475; 3431; 5220
EaeI	Y!GGCCR	6	438; 932; 3310; 3484; 3875; 3902
EagI	C!GGCCG	3	438; 932; 3310
Eam1104I	CTCTTCN!	0	
Eam1104I	!NNNNGAAGAG	4	226; 2871; 3748; 3958
Eam1105I	GACNNN!NNGTC	0	
EarI	CTCTTCN!	0	
EarI	!NNNNGAAGAG	4	226; 2871; 3748; 3958
EciI	GGCGGANNNNNNNNNNNN!	5	203; 2904; 3933; 5120; 5266
EciI	!NNNNNNNNNTCCGCC	4	688; 3075; 3096; 3117
Ecl136II	GAG!CTC	1	36
EcXI	C!GGCCG	3	438; 932; 3310
Eco24I	GRGCY!C	6	38; 75; 685; 2595; 3769; 4479
Eco31I	GGTCTCN!	0	
Eco31I	!NNNNNGAGACC	1	4393
Eco32I	GAT!ATC	1	804
Eco47I	G!GWCC	4	885; 985; 3920; 4365
Eco47III	AGC!GCT	1	14
Eco52I	C!GGCCG	3	438; 932; 3310
Eco57I	CTGAAGNNNNNNNNNNNNNNNN!	2	3550; 3982
Eco57I	!NNNNNNNNNNNNNNCTTCAG	5	240; 402; 573; 952; 4780
Eco72I	CAC!GTG	3	279; 411; 952
Eco81I	CC!TNAGG	2	2884; 4516
Eco88I	C!YCGRG	5	31; 74; 202; 481; 797
Eco91I	G!GTNACC	0	
Eco105I	TAC!GTA	0	
Eco130I	C!CWWGG	8	95; 125; 548; 810; 3133; 3226; 3836; 4241
Eco147I	AGG!CCT	1	3225
EcoHI	!CCSGG	7	73; 74; 767; 3406; 3566; 4179; 4943
EcoICRI	GAG!CTC	1	36
Eco57MI	CTGRAGNNNNNNNNNNNNNNNN!	3	3550; 3982; 4244
Eco57MI	!NNNNNNNNNNNNNNCTYCAG	6	240; 402; 573; 952; 4187; 4780
EcoNI	CCTNN!NNNAGG	0	
Eco065I	G!GTNACC	0	
Eco0109I	RG!GNCCY	5	681; 985; 1778; 2034; 4502

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
EcoRI	G!AATTC	2	47; 1872
EcoRII	!CCWGG	12	869; 1825; 1930; 2938; 2993; 3010; 3789; 4368; 4471; 5161; 5174; 5295
EcoRV	GAT!ATC	1	804
EcoT14I	C!CWWGG	8	95; 125; 548; 810; 3133; 3226; 3836; 4241
EcoT22I	ATGCA!T	3	2976; 3048; 5379
EcoT38I	GRGCY!C	6	38; 75; 685; 2595; 3769; 4479
Eco53kI	GAG!CTC	1	36
EgeI	GGC!GCC	2	246; 3405
EheI	GGC!GCC	2	246; 3405
ErhI	C!CWWGG	8	95; 125; 548; 810; 3133; 3226; 3836; 4241
EsaBC3I	TC!GA	18	33; 46; 59; 135; 174; 381; 799; 2554; 3245; 3518; 3674; 3698; 3734; 3896; 4087; 4132; 4387; 5225
Esp3I	CGTCTCN!	0	
Esp3I	!NNNNNGAGACG	0	
FaeI	CATG!	24	99; 129; 219; 552; 639; 690; 814; 861; 1032; 1577; 1796; 2834; 2974; 3046; 3137; 3278; 3623; 3809; 3840; 3866; 4222; 4606; 5326; 5377
FaiI	YA!TR	72	97; 127; 217; 550; 637; 688; 812; 859; 982; 1018; 1030; 1035; 1142; 1209; 1233; 1321; 1337; 1343; 1384; 1393; 1397; 1403; 1428; 1438; 1500; 1575; 1645; 1647; 1661; 1663; 1691; 1739; 1794; 1800; 2029; 2066; 2076; 2142; 2187; 2392; 2820; 2832; 2963; 2972; 3035; 3044; 3068; 3135; 3159; 3276; 3340; 3621; 3646; 3807; 3838; 3864; 3936; 4152; 4220; 4298; 4350; 4511; 4528; 4530; 4532; 4604; 4882; 5071; 5187; 5260; 5324; 5375
FalI	AAGNNNNNCTNNNNNNNNNNNN!	1	3744
FalI	!NNNNNNNNAAGNNNNNCTT	1	3712
FaqI	GGGACNNNNNNNNNN!	4	998; 3555; 4087; 4196
FaqI	!NNNNNNNNNNNNNGTCCC	4	2920; 2992; 3056; 4351
FatI	!CATG	24	95; 125; 215; 548; 635; 686; 810; 857; 1028; 1573; 1792; 2830; 2970; 3042; 3133; 3274; 3619; 3805; 3836; 3862; 4218; 4602; 5322; 5373
FauI	CCCGCNNNN!	9	129; 382; 589; 827; 2726; 3081; 3102; 4298; 4430
FauI	!NNNNNGCGGG	7	62; 871; 2657; 3527; 4064; 4202; 4349
FauNDI	CA!TATG	0	
FbaI	T!GATCA	0	
FblI	GT!MKAC	1	58
FmuI	GGNC!C	17	74; 75; 213; 684; 685; 888; 988; 1781; 1856; 1937; 2037; 2514; 3923; 4368; 4414; 4472; 4505
Fnu4HI	GC!NGC	49	114; 141; 186; 213; 321; 360; 399; 406; 441; 519; 573; 606; 702; 833; 853; 899; 932; 935; 947; 1704; 1894; 2181; 2700; 2722; 2736; 3174; 3313; 3365; 3376; 3466; 3471; 3508; 3549; 3636; 3639; 3642; 3878; 3974; 4015; 4029; 4143; 4482; 4497; 4708; 4914; 4917; 4982; 5125; 5280
FokI	GGATGNNNNNNNNN!	8	580; 784; 853; 894; 3271; 3728; 3753; 4207
FokI	!NNNNNNNNNNNNNCATCC	3	499; 640; 3077
FriOI	GRGCY!C	6	38; 75; 685; 2595; 3769; 4479
FseI	GGCCGG!CC	1	440
FspI	TGC!GCA	1	3506
FspAI	RTGC!GCAY	0	
FspBI	C!TAG	11	10; 914; 1297; 1775; 2059; 2253; 2671; 3227; 4242; 4576; 4829

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
FspEI	CCNNNNNNNNNNNN!	166	32; 80; 95; 130; 154; 168; 213; 234; 252; 267; 289; 313; 328; 346; 360; 381; 439; 454; 486; 516; 540; 559; 594; 633; 666; 682; 697; 712; 741; 763; 780; 795; 823; 869; 883; 901; 915; 948; 972; 1001; 1018; 1205; 1232; 1309; 1363; 1458; 1546; 1591; 1727; 1783; 1827; 1868; 1892; 1910; 1943; 1983; 2002; 2018; 2050; 2069; 2087; 2126; 2140; 2281; 2376; 2400; 2423; 2446; 2464; 2486; 2507; 2526; 2545; 2574; 2595; 2609; 2635; 2723; 2749; 2798; 2839; 2857; 2896; 2912; 2950; 3007; 3022; 3079; 3099; 3113; 3130; 3144; 3181; 3196; 3239; 3322; 3389; 3420; 3440; 3455; 3500; 3514; 3580; 3594; 3613; 3629; 3670; 3690; 3737; 3787; 3803; 3823; 3848; 3868; 3891; 3918; 3936; 3962; 4002; 4028; 4052; 4108; 4122; 4150; 4193; 4214; 4249; 4293; 4381; 4405; 4427; 4447; 4463; 4484; 4498; 4517; 4601; 4621; 4649; 4664; 4698; 4740; 4767; 4782; 4827; 4851; 4865; 4887; 4913; 4933; 4957; 4983; 5031; 5050; 5069; 5095; 5130; 5175; 5205; 5219; 5270; 5284; 5309; 5325; 5346; 5375
FspEI	!NNNNNNNNNNNNNNNGG	138	4; 46; 70; 98; 134; 163; 193; 227; 268; 290; 341; 376; 418; 445; 469; 517; 535; 554; 587; 607; 662; 691; 718; 754; 797; 817; 856; 900; 938; 956; 1003; 1021; 1039; 1084; 1225; 1297; 1388; 1436; 1535; 1601; 1668; 1724; 1761; 1812; 1836; 1875; 1893; 1917; 1968; 2002; 2031; 2075; 2175; 2244; 2274; 2352; 2401; 2423; 2451; 2487; 2532; 2561; 2597; 2616; 2644; 2664; 2727; 2750; 2858; 2890; 2908; 2937; 2980; 3009; 3120; 3149; 3192; 3213; 3241; 3274; 3294; 3319; 3346; 3371; 3393; 3421; 3447; 3468; 3519; 3540; 3558; 3606; 3642; 3698; 3723; 3747; 3776; 3799; 3823; 3849; 3871; 3890; 3915; 3955; 3991; 4056; 4141; 4165; 4194; 4228; 4249; 4269; 4314; 4341; 4360; 4393; 4445; 4476; 4503; 4555; 4653; 4724; 4769; 4830; 4895; 4929; 4955; 4973; 5009; 5079; 5102; 5124; 5148; 5181; 5229; 5264; 5282; 5339
Fsp4HI	GC!NGC	49	114; 141; 186; 213; 321; 360; 399; 406; 441; 519; 573; 606; 702; 833; 853; 899; 932; 935; 947; 1704; 1894; 2181; 2700; 2722; 2736; 3174; 3313; 3365; 3376; 3466; 3471; 3508; 3549; 3636; 3639; 3642; 3878; 3974; 4015; 4029; 4143; 4482; 4497; 4708; 4914; 4917; 4982; 5125; 5280
GdiII	C!GGCCR	3	438; 932; 3310
GdiII	Y!GGCCG	5	438; 932; 3310; 3875; 3902
GlaI	GC!GC	25	14; 246; 598; 651; 836; 2669; 2677; 2703; 2725; 2734; 2747; 2778; 3397; 3405; 3469; 3506; 3772; 4032; 4208; 4294; 4697; 4806; 4980; 5080; 5147
GluI	GC!NGC	49	114; 141; 186; 213; 321; 360; 399; 406; 441; 519; 573; 606; 702; 833; 853; 899; 932; 935; 947; 1704; 1894; 2181; 2700; 2722; 2736; 3174; 3313; 3365; 3376; 3466; 3471; 3508; 3549; 3636; 3639; 3642; 3878; 3974; 4015; 4029; 4143; 4482; 4497; 4708; 4914; 4917; 4982; 5125; 5280
GsaI	CCCAG!C	5	320; 665; 2951; 3023; 5022
GsaI	GCTGG!G	2	736; 3912
GsuI	CTGGAGNNNNNNNNNNNNNNNN!	1	4244
GsuI	!NNNNNNNNNNNNNNCTCCAG	1	4187
HaeI	WGG!CCW	5	3225; 3486; 4848; 5300; 5311
HaeII	RGCGC!Y	7	16; 248; 653; 2671; 2679; 3407; 5082
HaeIII	GG!CC	28	73; 116; 212; 436; 440; 683; 934; 1779; 1854; 1935; 2036; 2370; 2512; 3167; 3173; 3182; 3225; 3312; 3486; 3877; 3904; 4413; 4470; 4503; 4848; 5282; 5300; 5311
HaeIV	GAYNNNNNRTCNNNNNNNNNNNNNN!	3	906; 1403; 3600
HaeIV	!NNNNNNNNNGAYNNNNNRTC	3	872; 1369; 3566
HaeIV	GAYNNNNNRTCNNNNNNNNNNNNNN!	3	905; 1402; 3599
HaeIV	!NNNNNNNGAYNNNNNRTC	3	874; 1371; 3568
HapII	C!CGG	25	19; 75; 85; 149; 437; 473; 769; 782; 823; 2622; 3309; 3386; 3408; 3436; 3567; 3657; 3724; 3905; 4180; 4188; 4280; 4754; 4944; 4970; 5117
HgaI	GACGCNNNNN!	2	4114; 4193
HgaI	!NNNNNNNNNNNGCGTC	3	2737; 4632; 5210
HhaI	GCG!C	25	15; 247; 599; 652; 837; 2670; 2678; 2704; 2726; 2735; 2748; 2779; 3398; 3406; 3470; 3507; 3773; 4033; 4209; 4295; 4698; 4807; 4981; 5081; 5148
Hin1I	GR!CGYC	4	245; 3404; 4106; 4185

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Hin1II	CATG!	24	99; 129; 219; 552; 639; 690; 814; 861; 1032; 1577; 1796; 2834; 2974; 3046; 3137; 3278; 3623; 3809; 3840; 3866; 4222; 4606; 5326; 5377
Hin4I	GAYNNNNNVTCNNNNNNNNNNNNNN!	4	905; 1402; 2072; 3599
Hin4I	!NNNNNNNNGABNNNNNRTC	4	873; 1370; 3567; 3597
Hin4I	GABNNNNNRTCNNNNNNNNNNNNNN!	4	905; 1402; 3599; 3629
Hin4I	!NNNNNNNNGAYNNNNNVTC	4	873; 1370; 2040; 3567
Hin6I	G!CGC	25	13; 245; 597; 650; 835; 2668; 2676; 2702; 2724; 2733; 2746; 2777; 3396; 3404; 3468; 3505; 3771; 4031; 4207; 4293; 4696; 4805; 4979; 5079; 5146
HinP1I	G!CGC	25	13; 245; 597; 650; 835; 2668; 2676; 2702; 2724; 2733; 2746; 2777; 3396; 3404; 3468; 3505; 3771; 4031; 4207; 4293; 4696; 4805; 4979; 5079; 5146
HincII	GTY!RAC	2	59; 2167
HindII	GTY!RAC	2	59; 2167
HindIII	A!AGCTT	1	40
HinfI	G!ANTC	14	22; 976; 1766; 2049; 2447; 2469; 2879; 3889; 4023; 4075; 4133; 4170; 4952; 5348
HpaI	GTT!AAC	1	2167
HpaII	C!CGG	25	19; 75; 85; 149; 437; 473; 769; 782; 823; 2622; 3309; 3386; 3408; 3436; 3567; 3657; 3724; 3905; 4180; 4188; 4280; 4754; 4944; 4970; 5117
HphI	GGTGANNNNNNNN!	5	474; 796; 985; 4475; 4591
HphI	!NNNNNNNTCACC	7	138; 492; 570; 883; 1868; 2521; 3582
Hpy8I	GTN!NAC	8	59; 627; 1432; 2167; 2451; 2468; 2523; 5010
Hpy99I	CGWCG!	10	63; 109; 604; 3494; 3522; 3816; 3831; 4108; 4493; 5226
Hpy166II	GTN!NAC	8	59; 627; 1432; 2167; 2451; 2468; 2523; 5010
Hpy188I	TCN!GA	14	27; 1253; 1765; 1903; 2578; 3187; 3371; 3715; 4068; 4169; 4648; 4782; 5135; 5213
Hpy188III	TC!NNGA	29	31; 381; 565; 645; 762; 797; 799; 959; 1109; 2059; 2831; 2883; 3196; 3249; 3422; 3738; 3747; 3830; 3886; 3930; 4020; 4053; 4122; 4603; 4677; 4760; 4858; 4956; 5090
HpyAV	CCTTCNNNNNN!	9	264; 345; 597; 705; 768; 1017; 4049; 4156; 4835
HpyAV	!NNNNNGAAGG	9	1033; 2025; 2637; 3532; 4261; 4277; 4460; 4777; 5087
HpyCH4III	ACN!GT	14	63; 531; 889; 1062; 1290; 1605; 2495; 3784; 3900; 4008; 4331; 4822; 5292; 5363
HpyCH4IV	A!CGT	12	278; 410; 951; 1834; 2464; 2476; 2519; 2629; 3520; 3707; 4488; 4621
HpyCH4V	TG!CA	32	54; 342; 408; 543; 639; 672; 775; 898; 949; 1091; 1335; 1463; 1585; 1643; 1659; 1889; 2153; 2180; 2248; 2965; 2974; 3037; 3046; 3161; 3237; 3296; 3455; 3630; 3644; 4714; 5010; 5377
HpyF3I	C!TNAG	14	24; 271; 960; 1107; 1252; 1764; 1949; 1999; 2884; 3186; 4067; 4516; 4639; 5048
HpyF10VI	GCNNNNN!NNGC	30	110; 149; 194; 242; 449; 581; 605; 832; 904; 943; 1920; 2631; 2661; 2688; 2730; 2971; 3043; 3094; 3173; 3395; 3479; 3502; 3641; 3764; 3847; 4114; 4301; 4505; 4704; 5276
Hsp92I	GR!CGYC	4	245; 3404; 4106; 4185
Hsp92II	CATG!	24	99; 129; 219; 552; 639; 690; 814; 861; 1032; 1577; 1796; 2834; 2974; 3046; 3137; 3278; 3623; 3809; 3840; 3866; 4222; 4606; 5326; 5377
HspAI	G!CGC	25	13; 245; 597; 650; 835; 2668; 2676; 2702; 2724; 2733; 2746; 2777; 3396; 3404; 3468; 3505; 3771; 4031; 4207; 4293; 4696; 4805; 4979; 5079; 5146
KasI	G!GCGCC	2	244; 3403
KflI	GG!GWCCC	1	985
KpnI	GGTAC!C	1	67
Kpn2I	T!CCGGA	0	
KspI	CCGC!GG	1	70
Ksp22I	T!GATCA	0	
KspAI	GTT!AAC	1	2167
Kzo9I	!GATC	29	27; 78; 131; 446; 494; 509; 561; 714; 793; 917; 955; 1111; 2061; 3241; 3245; 3264; 3575; 3653; 3734; 3743; 3821; 4197; 4213; 4572; 4584; 4662; 4670; 4681; 4756
LguI	GCTCTCN!	0	
LguI	!NNNNGAAGAGC	3	226; 3748; 3958

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
LpnI	RGC!GCT	7	14; 246; 651; 2669; 2677; 3405; 5080
LpnPI	CCDGNNNNNNNNNN!	67	32; 88; 130; 162; 262; 280; 330; 352; 450; 486; 553; 607; 675; 763; 782; 836; 883; 908; 972; 1727; 1839; 1897; 1944; 2141; 2446; 2635; 2858; 2896; 2912; 2952; 3007; 3024; 3124; 3209; 3322; 3399; 3421; 3444; 3580; 3594; 3613; 3670; 3737; 3787; 3803; 3860; 3918; 4127; 4193; 4217; 4293; 4382; 4485; 4518; 4749; 4767; 4913; 4933; 4957; 4983; 5032; 5130; 5175; 5205; 5284; 5309; 5346
LpnPI	!NNNNNNNNNNNNNNCHGG	65	4; 60; 134; 163; 193; 422; 458; 550; 718; 754; 808; 856; 955; 1039; 1094; 1436; 1535; 1601; 1739; 1812; 1836; 1875; 1900; 2002; 2487; 2607; 2664; 2727; 2925; 2937; 2997; 3009; 3241; 3286; 3329; 3371; 3393; 3421; 3468; 3530; 3552; 3642; 3709; 3732; 3776; 3871; 3890; 3915; 4064; 4165; 4208; 4265; 4355; 4458; 4485; 4503; 4739; 4776; 4929; 4955; 5095; 5113; 5148; 5229; 5282
Lsp1109I	GCAGCNNNNNNNN!	10	530; 584; 910; 1715; 2192; 3477; 3519; 4040; 4493; 4993
Lsp1109I	!NNNNNNNNNNNNNGCTGC	10	392; 839; 933; 1880; 2686; 3351; 3535; 3628; 4694; 4900
LweI	GCATCNNNNN!	11	152; 386; 674; 746; 1100; 2220; 2983; 3055; 3703; 3767; 4042
LweI	!NNNNNNNNNGATGC	5	762; 3362; 3617; 3833; 5225
MabI	A!CCWGGT	1	2993
MaeI	C!TAG	11	10; 914; 1297; 1775; 2059; 2253; 2671; 3227; 4242; 4576; 4829
MaeII	A!CGT	12	278; 410; 951; 1834; 2464; 2476; 2519; 2629; 3520; 3707; 4488; 4621
MaeIII	!GTNAC	14	889; 938; 1049; 1265; 1669; 2192; 2693; 2705; 3524; 3830; 4520; 4786; 4902; 4965
MaI	GA!TC	29	29; 80; 133; 448; 496; 511; 563; 716; 795; 919; 957; 1113; 2063; 3243; 3247; 3266; 3577; 3655; 3736; 3745; 3823; 4199; 4215; 4574; 4586; 4664; 4672; 4683; 4758
MaqI	CRTTGACNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN!	0	
MaqI	!NNNNNNNNNNNNNNNNNNNNNGTCAAYG	0	
MauBI	CG!CGCGCG	0	
MbiI	CCG!CTC	2	2828; 4017
MbiI	GAG!CGG	4	113; 878; 2664; 4071
MboI	!GATC	29	27; 78; 131; 446; 494; 509; 561; 714; 793; 917; 955; 1111; 2061; 3241; 3245; 3264; 3575; 3653; 3734; 3743; 3821; 4197; 4213; 4572; 4584; 4662; 4670; 4681; 4756
MboII	GAAGANNNNNNNN!	7	243; 799; 2660; 2888; 3765; 3975; 4594
MboII	!NNNNNNNTCTTC	8	489; 1178; 1480; 1802; 4055; 4222; 4422; 4665
McaTI	GCGC!GC	0	
MfeI	C!AATTG	2	1146; 2154
MflI	R!GATCY	11	27; 78; 793; 955; 3575; 3821; 4213; 4572; 4584; 4670; 4681
MhI	GDGCH!C	16	38; 75; 199; 238; 472; 539; 685; 870; 2595; 3350; 3443; 3517; 3707; 3769; 4479; 5012
MIsI	TGG!CCA	1	3486
MluI	A!CGCGT	0	
MluNI	TGG!CCA	1	3486
MlyI	GAGTCNNNNN!	4	985; 1775; 2456; 2888
MlyI	!NNNNNGACTC	4	16; 2463; 4069; 4946
Mly113I	GG!CGCC	2	245; 3404
MmeI	TCCRACNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN!	2	2029; 2497
MmeI	!NNNNNNNNNNNNNNNNNNNGTYGGA	2	4929; 5113
MnI	CCTCNNNNNNN!	10	1588; 1824; 2066; 2123; 3187; 4005; 4211; 4525; 4895; 5219
MnI	!NNNNNGAGG	18	186; 384; 426; 477; 702; 1676; 2083; 2548; 2879; 3157; 3200; 3215; 3255; 3319; 3455; 3812; 4242; 5145
Mph1103I	ATGCA!T	3	2976; 3048; 5379
MreI	CG!CCGGCG	1	822
MroI	T!CCGGA	0	
MroNI	G!CCGGC	5	436; 822; 2621; 3904; 4187
MroXI	GAANN!NN TTC	1	334
MscI	TGG!CCA	1	3486
MseI	T!TAA	27	1022; 1163; 1213; 1221; 1262; 1271; 1373; 1408; 1423; 1475; 1495; 1621; 1980; 2105; 2166; 2287; 2308; 2319; 2331; 2342; 2359; 2457; 2728; 4547; 4561; 4566; 4618

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MslI	CAYNN!NNRTG	3	1096; 1400; 3841
MspI	C!CGG	25	19; 75; 85; 149; 437; 473; 769; 782; 823; 2622; 3309; 3386; 3408; 3436; 3567; 3657; 3724; 3905; 4180; 4188; 4280; 4754; 4944; 4970; 5117
Msp20I	TGG!CCA	1	3486
MspA1I	CMG!CKG	6	69; 320; 2902; 3510; 4739; 4984
MspCI	C!TTAAG	1	2286
MspJI	CNNRNNNNNNNNN!	269	22; 36; 49; 80; 97; 120; 133; 147; 161; 177; 190; 214; 228; 251; 275; 289; 323; 339; 355; 380; 393; 414; 444; 471; 485; 504; 519; 543; 559; 577; 593; 606; 633; 646; 673; 690; 715; 730; 745; 762; 780; 794; 809; 823; 848; 861; 875; 891; 907; 926; 948; 962; 982; 1002; 1041; 1066; 1090; 1119; 1153; 1181; 1205; 1224; 1249; 1264; 1282; 1299; 1340; 1354; 1395; 1408; 1447; 1463; 1528; 1546; 1562; 1586; 1605; 1628; 1656; 1672; 1686; 1702; 1726; 1766; 1782; 1800; 1818; 1831; 1847; 1863; 1880; 1896; 1909; 1927; 1943; 1961; 1974; 2010; 2024; 2050; 2071; 2087; 2111; 2128; 2141; 2182; 2196; 2209; 2227; 2265; 2280; 2298; 2339; 2363; 2383; 2401; 2422; 2445; 2477; 2492; 2514; 2532; 2545; 2566; 2583; 2596; 2609; 2625; 2638; 2668; 2683; 2708; 2726; 2739; 2754; 2778; 2792; 2816; 2841; 2857; 2895; 2911; 2950; 2964; 2978; 3006; 3022; 3036; 3050; 3079; 3092; 3113; 3122; 3144; 3174; 3190; 3208; 3238; 3261; 3285; 3309; 3328; 3356; 3382; 3398; 3411; 3434; 3448; 3468; 3481; 3495; 3514; 3528; 3541; 3557; 3572; 3585; 3601; 3616; 3632; 3657; 3676; 3692; 3705; 3718; 3736; 3750; 3764; 3780; 3802; 3818; 3837; 3859; 3875; 3898; 3917; 3931; 3947; 3961; 3981; 3997; 4010; 4032; 4065; 4079; 4099; 4112; 4126; 4180; 4193; 4216; 4229; 4248; 4265; 4292; 4328; 4361; 4380; 4405; 4426; 4453; 4466; 4483; 4497; 4512; 4528; 4588; 4613; 4629; 4651; 4664; 4678; 4709; 4723; 4748; 4766; 4781; 4794; 4813; 4826; 4841; 4870; 4889; 4907; 4932; 4947; 4966; 4982; 5001; 5019; 5035; 5049; 5068; 5095; 5118; 5140; 5159; 5174; 5187; 5204; 5224; 5251; 5264; 5283; 5308; 5331; 5345; 5358; 5375
MspJI	!NNNNNNNNNNNNYNG	222	5; 25; 54; 71; 94; 112; 135; 158; 188; 211; 235; 253; 270; 290; 311; 329; 360; 388; 405; 423; 445; 467; 493; 517; 535; 567; 584; 605; 622; 648; 673; 691; 715; 736; 754; 783; 805; 824; 844; 865; 888; 910; 929; 947; 967; 1003; 1022; 1040; 1057; 1080; 1105; 1144; 1177; 1214; 1237; 1278; 1297; 1318; 1388; 1413; 1436; 1493; 1535; 1560; 1601; 1626; 1666; 1700; 1724; 1749; 1770; 1812; 1829; 1849; 1870; 1887; 1905; 1926; 1948; 1977; 2003; 2024; 2045; 2070; 2114; 2156; 2239; 2274; 2301; 2324; 2353; 2397; 2419; 2451; 2487; 2504; 2525; 2562; 2582; 2599; 2616; 2651; 2669; 2687; 2704; 2728; 2750; 2777; 2805; 2831; 2869; 2890; 2907; 2925; 2948; 2969; 2997; 3020; 3041; 3059; 3080; 3097; 3120; 3144; 3164; 3182; 3204; 3235; 3257; 3283; 3302; 3319; 3347; 3366; 3385; 3403; 3421; 3442; 3464; 3488; 3521; 3541; 3559; 3580; 3606; 3633; 3650; 3667; 3684; 3710; 3732; 3754; 3772; 3792; 3811; 3833; 3871; 3891; 3915; 3935; 3955; 3982; 4006; 4039; 4058; 4086; 4108; 4137; 4165; 4190; 4209; 4228; 4249; 4266; 4283; 4314; 4341; 4361; 4384; 4404; 4441; 4458; 4477; 4503; 4523; 4562; 4589; 4608; 4626; 4663; 4681; 4722; 4740; 4766; 4783; 4815; 4844; 4872; 4893; 4916; 4935; 4956; 4974; 4991; 5009; 5035; 5056; 5076; 5096; 5114; 5135; 5161; 5178; 5197; 5216; 5245; 5264; 5282; 5301; 5319; 5337; 5360
MspR9I	CC!NGG	19	75; 76; 769; 871; 1827; 1932; 2940; 2995; 3012; 3408; 3568; 3791; 4181; 4370; 4473; 4945; 5163; 5176; 5297
MssI	GTTT!AAAC	0	
MunI	C!AATTG	2	1146; 2154
MvaI	CC!WGG	12	871; 1827; 1932; 2940; 2995; 3012; 3791; 4370; 4473; 5163; 5176; 5297
MvaI269I	GAATGCN!	1	2155
MvaI269I	G!CATTC	1	2248
MvnI	CG!CG	18	69; 443; 599; 704; 937; 2328; 2704; 2724; 2748; 2779; 3470; 3771; 4209; 4293; 4356; 4425; 4698; 5279
MvrI	CGAT!CG	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MwoI	GCNNNNN!NNGC	30	110; 149; 194; 242; 449; 581; 605; 832; 904; 943; 1920; 2631; 2661; 2688; 2730; 2971; 3043; 3094; 3173; 3395; 3479; 3502; 3641; 3764; 3847; 4114; 4301; 4505; 4704; 5276
NaeI	GCC!GGC	5	438; 824; 2623; 3906; 4189
NarI	GG!CGCC	2	245; 3404
NciI	CC!SGG	7	75; 76; 769; 3408; 3568; 4181; 4945
NcoI	C!CATGG	6	95; 125; 548; 810; 3133; 3836
NdeI	CA!TATG	0	
NdeII	!GATC	29	27; 78; 131; 446; 494; 509; 561; 714; 793; 917; 955; 1111; 2061; 3241; 3245; 3264; 3575; 3653; 3734; 3743; 3821; 4197; 4213; 4572; 4584; 4662; 4670; 4681; 4756
NgoAVIII	GACNNNNNTGANNNNNNNNNNNNNN!	0	
NgoAVIII	!NNNNNNNNNNNNTCANNNNNGTC	0	
NgoAVIII	TCANNNNNGTCNNNNNNNNNNNNNN!	0	
NgoAVIII	!NNNNNNNNNNNNGACNNNNNTGA	0	
NgoMIV	G!CCGGC	5	436; 822; 2621; 3904; 4187
NheI	G!CTAGC	0	
NlaIII	CATG!	24	99; 129; 219; 552; 639; 690; 814; 861; 1032; 1577; 1796; 2834; 2974; 3046; 3137; 3278; 3623; 3809; 3840; 3866; 4222; 4606; 5326; 5377
NlaIV	GGN!NCC	25	65; 73; 80; 153; 198; 246; 309; 471; 683; 957; 986; 1987; 2559; 2580; 2592; 2783; 2944; 3016; 3405; 3440; 4288; 4367; 4412; 5255; 5294
NlaCI	CATCACNNNNNNNNNNNNNNNNNN!	5	168; 1881; 2236; 2551; 4143
NlaCI	!NNNNNNNNNNNNNNNNNGTGATG	3	262; 445; 5215
Nli3877I	CYCGR!G	5	35; 78; 206; 485; 801
NmeAIII	GCCGAGNNNNNNNNNNNNNNNNNN!	2	3193; 3629
NmeAIII	!NNNNNNNNNNNNNNNNNNCTCGGC	1	3158
NmeDI	RCCGGYNNNNNNNN!	10	96; 160; 448; 484; 793; 834; 2633; 3735; 3916; 4199
NmeDI	!NNNNNNNNNNNNRCCGGY	10	71; 135; 423; 459; 768; 809; 2608; 3710; 3891; 4174
NmuCI	!GTSAC	5	889; 938; 2693; 3524; 3830
NotI	GC!GGCCGC	1	932
NruI	TCG!CGA	0	
NsbI	TGC!GCA	1	3506
NsiI	ATGCA!T	3	2976; 3048; 5379
NspI	RCATG!Y	5	639; 2974; 3046; 3809; 5326
NspV	TT!CGAA	2	45; 4086
OliI	CACNN!NNGTG	0	
PabI	GTA!C	7	66; 389; 749; 1060; 1302; 1434; 3711
PacI	TTAAT!TAA	0	
PaeI	GCATG!C	3	2974; 3046; 3809
PaeR7I	C!TCGAG	2	31; 797
PagI	T!CATGA	2	2830; 4602
PalAI	GG!CGCGCC	0	
PasI	CC!CWGGG	2	4369; 4472
PauI	G!CGGCG	0	
PceI	AGG!CCT	1	3225
PciI	A!CATGT	1	5322
PciSI	GCTCTTCN!	0	
PciSI	!NNNNGAAGAGC	3	226; 3748; 3958
PcsI	WCGNNNN!NNNCGW	7	386; 3698; 3775; 4018; 4092; 4485; 5003
PctI	GAATGCN!	1	2155
PctI	G!CATTC	1	2248
PdiI	GCC!GGC	5	438; 824; 2623; 3906; 4189
PdmI	GAANN!NN TTC	1	334
PfeI	G!AWTC	6	2049; 3889; 4023; 4133; 4170; 5348
Pfl23II	C!GTACG	0	
PfIF1	GACN!NNGTC	1	3522
PfIMI	CCANNNN!NTGG	1	282
PfoI	T!CCNGGA	1	4179
PhoI	GG!CC	28	73; 116; 212; 436; 440; 683; 934; 1779; 1854; 1935; 2036; 2370; 2512; 3167; 3173; 3182; 3225; 3312; 3486; 3877; 3904; 4413; 4470; 4503; 4848; 5282; 5300; 5311
PinAI	A!CCGGT	1	84

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
PlaDI	CATCAGNNNNNNNNNNNNNNNNNNNNNNNN!	2	1118; 3785
PlaDI	!NNNNNNNNNNNNNNNNNNNNCTGATG	3	1654; 3350; 3605
PleI	GAGTCNNNN!	4	984; 1774; 2455; 2887
PleI	!NNNNNGACTC	4	16; 2463; 4069; 4946
Ple19I	CGAT!CG	0	
PmaCI	CAC!GTG	3	279; 411; 952
PmeI	GTTT!AAAC	0	
PmlI	CAC!GTG	3	279; 411; 952
PpiI	GAACNNNNNNCTCNNNNNNNNNNNNNN!	1	2486
PpiI	!NNNNNNNNNGAGNNNNNGTTC	1	4616
PpiI	GAGNNNNNGTTCNNNNNNNNNNNNNN!	1	4648
PpiI	!NNNNNNNGAACNNNNNNCTC	1	2454
PpsI	GAGTCNNNN!	4	984; 1774; 2455; 2887
PpsI	!NNNNNGACTC	4	16; 2463; 4069; 4946
Ppu10I	A!TGCAT	3	2972; 3044; 5375
Ppu21I	YAC!GTR	5	279; 411; 952; 2520; 3708
PpuMI	RG!GWCCY	1	985
PscI	A!CATGT	1	5322
PshAI	GACNN!NNGTC	0	
PshBI	AT!TAAT	0	
PsiI	TTA!TAA	2	2187; 2392
Psp03I	GGWC!C	4	888; 988; 3923; 4368
Psp5II	RG!GWCCY	1	985
Psp6I	!CCWGG	12	869; 1825; 1930; 2938; 2993; 3010; 3789; 4368; 4471; 5161; 5174; 5295
Psp1406I	AA!CGTT	0	
Psp124BI	GAGCT!C	1	38
PspCI	CAC!GTG	3	279; 411; 952
PspEI	G!GTNACC	0	
PspGI	!CCWGG	12	869; 1825; 1930; 2938; 2993; 3010; 3789; 4368; 4471; 5161; 5174; 5295
PspLI	C!GTACG	0	
PspN4I	GGN!NCC	25	65; 73; 80; 153; 198; 246; 309; 471; 683; 957; 986; 1987; 2559; 2580; 2592; 2783; 2944; 3016; 3405; 3440; 4288; 4367; 4412; 5255; 5294
PspOMI	G!GGCCC	2	71; 681
PspOMII	CGCCARNNNNNNNNNNNNNNNNNNNNN!	2	3134; 4133
PspOMII	!NNNNNNNNNNNNNNNNNNNYTGGGCG	1	3536
PspPI	G!GNCC	17	71; 72; 210; 681; 682; 885; 985; 1778; 1853; 1934; 2034; 2511; 3920; 4365; 4411; 4469; 4502
PspPPI	RG!GWCCY	1	985
PspPRI	CCYCAGNNNNNNNNNNNNNNNNNNNN!	5	335; 680; 2957; 3029; 4535
PspPRI	!NNNNNNNNNNNNNNCTGRGG	3	2003; 2870; 4065
PspXI	VC!TCGAGB	0	
PsrI	GAACNNNNNNNTACNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGTANNNNNGTTC	0	
PsrI	GTANNNNNNGTTCNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGAACNNNNNNNTAC	0	
PssI	RGGNC!CY	5	684; 988; 1781; 2037; 4505
PstI	CTGCA!G	3	56; 674; 900
PstNI	CAGNNN!CTG	3	1826; 4505; 4913
PsuI	R!GATCY	11	27; 78; 793; 955; 3575; 3821; 4213; 4572; 4584; 4670; 4681
PsyI	GACN!NNGTC	1	3522
PteI	G!CGCCG	0	
PvuI	CGAT!CG	0	
PvuII	CAG!CTG	2	2902; 3510
RcaI	T!CATGA	2	2830; 4602
RceI	CATCGACNNNNNNNNNNNNNNNNNNNN!	1	3919
RceI	!NNNNNNNNNNNNNNNNNNNGTTCGATG	0	
RgaI	GCGAT!CGC	0	
RigI	GGCCGG!CC	1	440
RleAI	CCCACANNNNNNNNNNNNNNNNNNN!	3	1834; 1953; 2133
RleAI	!NNNNNNNNNNNTGTGGG	0	
RpaBI	CCCGCAGNNNNNNNNNNNNNNNNNNNN!	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
RpaBI	!NNNNNNNNNNNNNNNNNNCTGCGGG	0	
RpaB5I	CGRGGACNNNNNNNNNNNNNNNNNNNN	2	416; 509
RpaB5I	!NNNNNNNNNNNNNNNNNGTCCYCG	0	
RruI	TCG!CGA	0	
RsaI	GT!AC	7	65; 388; 748; 1059; 1301; 1433; 3710
RsaNI	G!TAC	7	64; 387; 747; 1058; 1300; 1432; 3709
RseI	CAYNN!NNRTG	3	1096; 1400; 3841
RsrII	CG!GWCCG	1	3920
Rsr2I	CG!GWCCG	1	3920
SacI	GAGCT!C	1	38
SacII	CCGC!GG	1	70
SalI	G!TCGAC	1	57
SapI	GCTCTCN!	0	
SapI	!NNNNGAAGAGC	3	226; 3748; 3958
SaqAI	T!TAA	27	1022; 1163; 1213; 1221; 1262; 1271; 1373; 1408; 1423; 1475; 1495; 1621; 1980; 2105; 2166; 2287; 2308; 2319; 2331; 2342; 2359; 2457; 2728; 4547; 4561; 4566; 4618
SatI	GC!NGC	49	114; 141; 186; 213; 321; 360; 399; 406; 441; 519; 573; 606; 702; 833; 853; 899; 932; 935; 947; 1704; 1894; 2181; 2700; 2722; 2736; 3174; 3313; 3365; 3376; 3466; 3471; 3508; 3549; 3636; 3639; 3642; 3878; 3974; 4015; 4029; 4143; 4482; 4497; 4708; 4914; 4917; 4982; 5125; 5280
Sau96I	G!GNCC	17	71; 72; 210; 681; 682; 885; 985; 1778; 1853; 1934; 2034; 2511; 3920; 4365; 4411; 4469; 4502
Sau3AI	!GATC	29	27; 78; 131; 446; 494; 509; 561; 714; 793; 917; 955; 1111; 2061; 3241; 3245; 3264; 3575; 3653; 3734; 3743; 3821; 4197; 4213; 4572; 4584; 4662; 4670; 4681; 4756
SbfI	CCTGCA!GG	0	
ScaI	AGT!ACT	0	
SchI	GAGTCNNNN!	4	985; 1775; 2456; 2888
SchI	!NNNNNGACTC	4	16; 2463; 4069; 4946
SciI	CTC!GAG	2	33; 799
ScrFI	CC!NGG	19	75; 76; 769; 871; 1827; 1932; 2940; 2995; 3012; 3408; 3568; 3791; 4181; 4370; 4473; 4945; 5163; 5176; 5297
SdaI	CCTGCA!GG	0	
SdeAI	CAGRAGNNNNNNNNNNNNNNNNNNNN!	5	897; 2982; 3054; 3223; 5165
SdeAI	!NNNNNNNNNNNNNNNNNNCTYCTG	4	888; 1804; 3559; 4044
SdeOSI	GACNNNNRTGANNNNNNNNNNNN!	0	
SdeOSI	!NNNNNNNNNNNTCAYNNNNNGTC	0	
SdeOSI	TCAYNNNNGTCTNNNNNNNNNNNN!	0	
SdeOSI	!NNNNNNNNNNNGACNNNNRTGA	0	
SduI	GDGCH!C	16	38; 75; 199; 238; 472; 539; 685; 870; 2595; 3350; 3443; 3517; 3707; 3769; 4479; 5012
SelI	!CGCG	18	67; 441; 597; 702; 935; 2326; 2702; 2722; 2746; 2777; 3468; 3769; 4207; 4291; 4354; 4423; 4696; 5277
SetI	ASST!	66	38; 44; 179; 256; 269; 281; 313; 413; 418; 424; 464; 542; 577; 589; 619; 734; 948; 954; 1687; 1708; 1719; 1776; 1825; 1837; 1955; 1987; 2094; 2115; 2124; 2136; 2185; 2352; 2467; 2479; 2522; 2559; 2609; 2632; 2756; 2904; 2999; 3192; 3305; 3433; 3512; 3523; 3595; 3666; 3710; 3970; 4116; 4160; 4491; 4522; 4581; 4624; 4767; 4788; 4887; 5024; 5039; 5058; 5070; 5114; 5160; 5211
SexAI	A!CCWGGT	1	2993
SfaAI	GCGAT!CGC	0	
SfaNI	GCATCNNNN!	11	152; 386; 674; 746; 1100; 2220; 2983; 3055; 3703; 3767; 4042
SfaNI	!NNNNNNNNNGATGC	5	762; 3362; 3617; 3833; 5225
SfcI	C!TRYAG	7	52; 612; 670; 896; 2739; 4866; 5057
SfiI	GGCCNNNN!NGGCC	1	3179
SfoI	GGC!GCC	2	246; 3405
Sfr274I	C!TCGAG	2	31; 797
Sfr303I	CCGC!GG	1	70
SfuI	TT!CGAA	2	45; 4086

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SgeI	CNNGNNNNNNNNNN!	205	6; 22; 43; 80; 97; 120; 133; 147; 161; 177; 190; 214; 228; 261; 279; 329; 351; 386; 402; 421; 444; 471; 485; 504; 519; 543; 561; 577; 593; 606; 633; 648; 674; 690; 715; 741; 762; 780; 794; 809; 823; 850; 870; 883; 907; 926; 948; 962; 982; 1002; 1041; 1066; 1121; 1181; 1309; 1463; 1562; 1586; 1628; 1726; 1766; 1783; 1805; 1838; 1851; 1896; 1927; 1943; 1966; 2029; 2050; 2071; 2111; 2140; 2182; 2265; 2339; 2423; 2445; 2477; 2514; 2532; 2551; 2566; 2608; 2625; 2642; 2677; 2691; 2708; 2730; 2754; 2778; 2843; 2857; 2895; 2911; 2951; 2964; 2983; 3006; 3023; 3036; 3055; 3085; 3106; 3123; 3146; 3181; 3208; 3239; 3261; 3287; 3309; 3328; 3356; 3392; 3411; 3434; 3448; 3468; 3481; 3495; 3514; 3528; 3547; 3579; 3593; 3606; 3632; 3663; 3676; 3693; 3710; 3724; 3741; 3759; 3774; 3802; 3818; 3837; 3859; 3875; 3898; 3917; 3942; 3961; 3981; 4008; 4032; 4065; 4084; 4112; 4126; 4192; 4216; 4231; 4254; 4275; 4292; 4340; 4367; 4381; 4410; 4434; 4467; 4484; 4504; 4517; 4530; 4588; 4615; 4634; 4664; 4689; 4709; 4723; 4748; 4766; 4803; 4841; 4870; 4898; 4912; 4932; 4947; 4968; 4982; 5001; 5019; 5035; 5075; 5095; 5122; 5140; 5161; 5174; 5187; 5204; 5228; 5251; 5283; 5308; 5335; 5357
SgeI	!NNNNNNNNNNNNNCNNG	180	5; 25; 54; 71; 94; 112; 135; 160; 188; 211; 235; 253; 303; 325; 360; 388; 418; 445; 467; 493; 517; 535; 567; 584; 607; 631; 648; 673; 691; 715; 736; 754; 783; 805; 824; 844; 865; 888; 922; 945; 976; 1015; 1040; 1095; 1155; 1283; 1437; 1536; 1560; 1602; 1700; 1740; 1757; 1779; 1812; 1837; 1870; 1901; 1918; 1940; 2003; 2024; 2045; 2085; 2114; 2156; 2239; 2313; 2397; 2419; 2451; 2488; 2506; 2525; 2582; 2599; 2616; 2651; 2669; 2689; 2709; 2728; 2752; 2817; 2869; 2925; 2957; 2980; 2997; 3029; 3059; 3080; 3097; 3120; 3155; 3182; 3213; 3235; 3261; 3283; 3302; 3330; 3366; 3385; 3408; 3429; 3447; 3464; 3488; 3521; 3553; 3580; 3606; 3637; 3667; 3684; 3710; 3733; 3754; 3776; 3796; 3816; 3833; 3872; 3891; 3916; 3935; 3955; 3982; 4006; 4039; 4058; 4086; 4108; 4166; 4190; 4209; 4228; 4249; 4266; 4314; 4341; 4361; 4384; 4408; 4441; 4458; 4478; 4504; 4562; 4589; 4608; 4638; 4663; 4683; 4722; 4740; 4777; 4815; 4844; 4872; 4893; 4921; 4942; 4975; 4993; 5049; 5069; 5096; 5114; 5135; 5161; 5178; 5202; 5225; 5257; 5282; 5309; 5331; 5360
SgfI	GCGAT!CGC	0	
SgrAI	CR!CCGGYG	1	822
SgrBI	CCGC!GG	1	70
SgrDI	CG!TCGACG	0	
SgsI	GG!CGCGCC	0	
SimI	GG!GTC	3	2551; 4338; 5131
SimI	!GACCC	5	764; 985; 3832; 4400; 4648
SinI	G!GWCC	4	885; 985; 3920; 4365
SlaI	C!TCGAG	2	31; 797
SmaI	CCC!GGG	1	76
SmiI	ATTT!AAAT	0	
SmiMI	CAYNN!NNRTG	3	1096; 1400; 3841
SmII	C!TYRAG	9	31; 37; 797; 2038; 2286; 3795; 4677; 4954; 5216
SmoI	C!TYRAG	9	31; 37; 797; 2038; 2286; 3795; 4677; 4954; 5216
SmuI	CCCGCNNNN!	9	129; 382; 589; 827; 2726; 3081; 3102; 4298; 4430
SmuI	!NNNNNNGCGGG	7	62; 871; 2657; 3527; 4064; 4202; 4349
SnaBI	TAC!GTA	0	
SpeI	A!CTAGT	0	
SphI	GCATG!C	3	2974; 3046; 3809
SrfI	GCCC!GGGC	0	
Sse9I	!AATT	20	47; 1146; 1164; 1195; 1374; 1456; 1470; 1610; 1665; 1872; 1971; 2154; 2218; 2296; 2322; 2333; 2980; 3052; 3144; 4562
Sse8387I	CCTGCA!GG	0	
Sse8647I	AG!GWCCT	0	
SseBI	AGG!CCT	1	3225

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SsiI	C!CGC	38	67; 122; 141; 213; 375; 426; 441; 516; 582; 699; 702; 820; 935; 1192; 2719; 2722; 2736; 2826; 3074; 3086; 3095; 3107; 3117; 3128; 3174; 3313; 3376; 3878; 3923; 3989; 4015; 4140; 4143; 4291; 4423; 4730; 4874; 5370
SsiI	G!CGG	32	69; 113; 185; 188; 320; 359; 398; 605; 826; 832; 878; 931; 2664; 2691; 2779; 2889; 3470; 3534; 3635; 3638; 3918; 3973; 4071; 4209; 4356; 4496; 4739; 4984; 5105; 5124; 5251; 5279
SspI	AAT!ATT	4	1636; 1652; 2312; 2865
SspDI	G!GCGCC	2	244; 3403
SspD5I	GGTGANNNNNNNN!	5	474; 796; 985; 4475; 4591
SspD5I	!NNNNNNNNNTCACC	7	137; 491; 569; 882; 1867; 2520; 3581
SstI	GAGCT!C	1	38
SstII	CCGC!GG	1	70
SstE37I	CGAAGACNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN	0	
SstE37I	!NNNNNNNNNNNNNNNNNNNGTCTTCG	0	
Sth132I	CCCGNNNN!	20	81; 128; 209; 381; 488; 588; 775; 826; 2603; 2725; 3080; 3101; 3414; 3817; 3956; 4027; 4297; 4429; 4659; 5097
Sth132I	!NNNNNNNNCCGGG	18	61; 669; 870; 2604; 2656; 2757; 3484; 3526; 3559; 4063; 4172; 4201; 4348; 4452; 4483; 4936; 4980; 5188
Sth302II	CC!GG	25	20; 76; 86; 150; 438; 474; 770; 783; 824; 2623; 3310; 3387; 3409; 3437; 3568; 3658; 3725; 3906; 4181; 4189; 4281; 4755; 4945; 4971; 5118
StrI	C!TCGAG	2	31; 797
StsI	GGATGNNNNNNNNNN!	8	581; 785; 854; 895; 3272; 3729; 3754; 4208
StsI	!NNNNNNNNNNNNNNNCATCC	3	498; 639; 3076
StuI	AGG!CCT	1	3225
StyI	C!CWWGG	8	95; 125; 548; 810; 3133; 3226; 3836; 4241
StyD4I	!CCNGG	19	73; 74; 767; 869; 1825; 1930; 2938; 2993; 3010; 3406; 3566; 3789; 4179; 4368; 4471; 4943; 5161; 5174; 5295
SwaI	ATTT!AAAT	0	
TaaI	ACN!GT	14	63; 531; 889; 1062; 1290; 1605; 2495; 3784; 3900; 4008; 4331; 4822; 5292; 5363
TaiI	ACGT!	12	281; 413; 954; 1837; 2467; 2479; 2522; 2632; 3523; 3710; 4491; 4624
TaqI	T!CGA	18	32; 45; 58; 134; 173; 380; 798; 2553; 3244; 3517; 3673; 3697; 3733; 3895; 4086; 4131; 4386; 5224
TaqII	GACCGANNNNNNNNNNNN!	3	2424; 3441; 4109
TaqII	!NNNNNNNNNNTCGGTC	1	4353
TaqII	CACCCANNNNNNNNNNNN!	0	
TaqII	!NNNNNNNNNTGGGTG	2	3308; 3900
TasI	!AATT	20	47; 1146; 1164; 1195; 1374; 1456; 1470; 1610; 1665; 1872; 1971; 2154; 2218; 2296; 2322; 2333; 2980; 3052; 3144; 4562
TatI	W!GTACW	2	1299; 1431
TauI	GCSG!C	28	116; 143; 188; 215; 323; 362; 401; 443; 608; 704; 835; 934; 937; 2724; 2738; 3176; 3315; 3378; 3473; 3638; 3641; 3880; 3976; 4017; 4145; 4499; 5127; 5282
TfiI	G!AWTC	6	2049; 3889; 4023; 4133; 4170; 5348
TliI	C!TCGAG	2	31; 797
Tru1I	T!TAA	27	1022; 1163; 1213; 1221; 1262; 1271; 1373; 1408; 1423; 1475; 1495; 1621; 1980; 2105; 2166; 2287; 2308; 2319; 2331; 2342; 2359; 2457; 2728; 4547; 4561; 4566; 4618
Tru9I	T!TAA	27	1022; 1163; 1213; 1221; 1262; 1271; 1373; 1408; 1423; 1475; 1495; 1621; 1980; 2105; 2166; 2287; 2308; 2319; 2331; 2342; 2359; 2457; 2728; 4547; 4561; 4566; 4618
TscAI	CASTGNN!	8	1101; 1610; 1891; 2250; 3533; 4643; 4914; 4927
TseI	G!CWGC	21	405; 518; 572; 852; 898; 946; 1703; 1893; 2180; 2699; 3364; 3465; 3507; 3548; 3641; 4028; 4481; 4707; 4913; 4916; 4981
TsoI	TARCCANNNNNNNNNNNN!	2	2376; 2723
TsoI	!NNNNNNNNNTGGYTA	4	1009; 1911; 2181; 3933
Tsp45I	!GTSAC	5	889; 938; 2693; 3524; 3830
Tsp509I	!AATT	20	47; 1146; 1164; 1195; 1374; 1456; 1470; 1610; 1665; 1872; 1971; 2154; 2218; 2296; 2322; 2333; 2980; 3052; 3144; 4562
TspDTI	ATGAANNNNNNNNNNNN!	5	244; 2044; 2162; 3463; 4167

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
TspDI	!NNNNNNNNNTTCAT	8	1017; 1129; 1330; 1678; 1787; 3881; 4337; 4544
TspEI	!AATT	20	47; 1146; 1164; 1195; 1374; 1456; 1470; 1610; 1665; 1872; 1971; 2154; 2218; 2296; 2322; 2333; 2980; 3052; 3144; 4562
TspGWI	ACGGANNNNNNNNNN!	1	4279
TspGWI	!NNNNNNNNNTCCGT	1	609
TspMI	C!CCGGG	1	74
TspRI	CASTGNN!	8	1101; 1610; 1891; 2250; 3533; 4643; 4914; 4927
TstI	CACNNNNNNNTCCNNNNNNNNNNN!	0	
TstI	!NNNNNNNGGANNNNNNNGTG	2	121; 1306
TstI	GGANNNNNNGTGNNNNNNNNNNNNN!	2	153; 1338
TstI	!NNNNNNNNCACNNNNNNNTCC	0	
Tth111I	GACN!NGTC	1	3522
Tth111II	CAARCANNNNNNNNNNN!	1	4731
Tth111III	!NNNNNNNNNTGYTTG	3	3839; 4699; 4738
UnbI	!GGNCC	17	70; 71; 209; 680; 681; 884; 984; 1777; 1852; 1933; 2033; 2510; 3919; 4364; 4410; 4468; 4501
Van91I	CCANNNN!NTGG	1	282
Vha464I	C!TTAAG	1	2286
VneI	G!TGCAC	1	5008
VpaK11AI	!GGWCC	4	884; 984; 3919; 4364
VpaK11BI	G!GWCC	4	885; 985; 3920; 4365
VspI	AT!TAAT	0	
XagI	CCTNN!NNNAGG	0	
XapI	R!AATTY	5	47; 1872; 2218; 2322; 2333
XbaI	T!CTAGA	1	2058
XceI	RCATG!Y	5	639; 2974; 3046; 3809; 5326
XcmI	CCANNNNN!NNNNTGG	0	
XhoI	C!TCGAG	2	31; 797
XhoII	R!GATCY	11	27; 78; 793; 955; 3575; 3821; 4213; 4572; 4584; 4670; 4681
XmaI	C!CCGGG	1	74
XmaJI	C!CTAGG	2	3226; 4241
XmiI	GT!MKAC	1	58
XmnI	GAANN!NNTTC	1	334
XspI	C!TAG	11	10; 914; 1297; 1775; 2059; 2253; 2671; 3227; 4242; 4576; 4829
ZraI	GAC!GTC	0	
ZrmI	AGT!ACT	0	
Zsp2I	ATGCA!T	3	2976; 3048; 5379