

pmKate2-profilin vector

Table of restriction sites

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AanI	TTA!TAA	2	1916; 2121
AarI	CACCTGCNNNN!	1	1754
AarI	!NNNNNNNNGCAGGTG	0	
AasI	GACNNNN!NNGTC	3	2204; 3160; 4949
AatI	AGG!CCT	2	1039; 2954
AatII	GACGT!C	4	125; 178; 261; 447
AbsI	CC!TCGAGG	0	
AccI	GT!MKAC	1	1190
AccII	CG!CG	16	60; 1402; 2021; 2057; 2433; 2453; 2477; 2508; 3199; 3500; 3938; 4022; 4085; 4154; 4427; 5008
AccIII	T!CCGGA	1	1315
Acc16I	TGC!GCA	1	3235
Acc36I	ACCTGCNNNN!	3	1754; 3401; 3851
Acc36I	!NNNNNNNNGCAGGT	1	3020
Acc65I	G!GTACC	0	
AccB1I	G!GYRCC	6	465; 664; 724; 2286; 3132; 3167
AccB7I	CCANNNN!NTGG	0	
AccBSI	CCG!CTC	2	2557; 3746
AccBSI	GAG!CGG	2	2393; 3800
AceIII	CAGCTCNNNNNNN!	1	2089
AceIII	!NNNNNNNNNNGAGCTG	2	552; 610
AciI	C!CGC	35	58; 86; 98; 112; 279; 507; 589; 923; 1061; 1163; 1442; 2448; 2451; 2465; 2555; 2803; 2815; 2824; 2836; 2846; 2857; 2903; 3042; 3105; 3607; 3652; 3718; 3744; 3869; 3872; 4020; 4152; 4459; 4603; 5099
AciI	G!CGG	30	370; 403; 528; 748; 758; 1070; 1112; 1381; 1402; 1749; 2393; 2420; 2508; 2618; 3199; 3263; 3364; 3367; 3647; 3702; 3800; 3938; 4085; 4225; 4468; 4713; 4834; 4853; 4980; 5008
AclI	AA!CGTT	0	
AclWI	GGATCNNNN!	10	1610; 1776; 1785; 3001; 3312; 3558; 3950; 4309; 4407; 4493
AclWI	!NNNNNGATCC	8	580; 1145; 1557; 1763; 3377; 3921; 4308; 4405
AcoI	Y!GGCCR	7	1268; 1346; 1403; 3039; 3213; 3604; 3631
AcsI	R!AATY	4	1591; 1947; 2051; 2062
AcuI	CTGAAGNNNNNNNNNNNNNNNN!	3	1120; 3279; 3711
AcuI	!NNNNNNNNNNNNNNCTTCAG	1	4509
AcvI	CAC!GTG	0	
AcyI	GR!CGYC	8	122; 175; 258; 444; 1187; 3133; 3835; 3914
AdeI	CACNNN!GTG	2	1260; 2249
AfaI	GT!AC	12	219; 244; 299; 332; 383; 540; 655; 805; 1057; 1611; 1762; 3439
AfeI	AGC!GCT	1	596
AfiI	CCNNNNN!NNGG	25	49; 721; 834; 1000; 1066; 1349; 1380; 1436; 1451; 1683; 2145; 2471; 2863; 3114; 3658; 3939; 3971; 4103; 4138; 4188; 4220; 4573; 4852; 5018; 5036
AfIII	C!TTAAG	0	
AfIII	A!CRYGT	2	2019; 5051
AgeI	A!CCGGT	2	600; 1508
AgsI	TTS!AA	8	687; 1137; 1641; 2544; 2588; 2598; 3011; 4587
AhdI	GACNNN!NNGTC	0	
AhlI	A!CTAGT	0	
AjiI	CAC!GTC	0	
AjiI	GAC!GTG	0	
AjnI	!CCWGG	17	88; 281; 785; 833; 929; 944; 1073; 1493; 2667; 2722; 2739; 3518; 4097; 4200; 4890; 4903; 5024
AjuI	GAANNNNNNNTTGGNNNNNNNNNN!	0	
AjuI	!NNNNNNCCAANNNNNNNTTC	0	
AjuI	CCAANNNNNNNTTCNNNNNNNNNN!	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AjuI	!NNNNNNNGAANNNNNNNTTGG	0	
AleI	CACNN!NNGTG	1	613
AlfI	GCANNNNNTGCNNNNNNNNNNNN!	2	2707; 2779
AlfI	!NNNNNNNNNNGCANNNNNTGC	2	2673; 2745
AloI	GAACNNNNNTCCNNNNNNNNNNNN!	2	1011; 2215
AloI	!NNNNNNNGGANNNNNNGTTC	0	
AloI	GGANNNNNGTTCNNNNNNNNNNNN!	0	
AloI	!NNNNNNNGAACNNNNNTCC	2	979; 2183
AluI	AG!CT	19	566; 624; 651; 797; 1104; 1333; 1339; 1480; 1912; 2079; 2336; 2631; 2919; 3239; 3697; 4494; 4751; 4797; 4887
AluBI	AG!CT	19	566; 624; 651; 797; 1104; 1333; 1339; 1480; 1912; 2079; 2336; 2631; 2919; 3239; 3697; 4494; 4751; 4797; 4887
AlwI	GGATCNNNN!	10	1610; 1776; 1785; 3001; 3312; 3558; 3950; 4309; 4407; 4493
AlwI	!NNNNNGATCC	8	580; 1145; 1557; 1763; 3377; 3921; 4308; 4405
Alw21I	GWGCW!C	6	694; 1335; 1621; 3246; 3436; 4741
Alw26I	GTCTCN!	1	434
Alw26I	!NNNNNGAGAC	6	1042; 1231; 2557; 2975; 3994; 4122
Alw44I	G!TGCAC	2	690; 4737
AlwNI	CAGNNN!CTG	3	1277; 4234; 4642
Ama87I	C!YCGRG	2	1328; 1450
Aor13HI	T!CCGGA	1	1315
Aor51HI	AGC!GCT	1	596
ApaI	GGGCC!C	0	
ApaBI	GCANNNNN!TGC	3	2701; 2773; 4235
ApaLI	G!TGCAC	2	690; 4737
ApeKI	G!CWGC	17	809; 953; 1251; 1578; 1909; 2428; 3093; 3194; 3236; 3277; 3370; 3757; 4210; 4436; 4642; 4645; 4710
ApoI	R!AATTY	4	1591; 1947; 2051; 2062
ApyPI	ATCGACNNNNNNNNNNNNNNNNNN!	2	1391; 3648
ApyPI	!NNNNNNNNNNNNNNNNNNGTCGAT	3	3442; 4095; 4933
AquII	GCCGNACNNNNNNNNNNNNNNNNNN!	1	3532
AquII	!NNNNNNNNNNNNNNNNNNGTNCGGC	1	785
AquIII	GAGGAGNNNNNNNNNNNNNNNNNN!	2	1650; 2961
AquIII	!NNNNNNNNNNNNNNNNNNCTCCTC	0	
AquIV	GRGGAAGNNNNNNNNNNNNNNNNNN!	0	
AquIV	!NNNNNNNNNNNNNNNNNCTCCYC	1	3703
ArsI	GACNNNNNTTYGNNNNNNNNNNNN!	0	
ArsI	!NNNNNNCRAANNNNNNGTC	1	1682
ArsI	CRAANNNNNNGTCNNNNNNNNNNNN!	1	1714
ArsI	!NNNNNNNGACNNNNNTTYG	0	
AscI	GG!CGCGCC	0	
AseI	AT!TAAT	1	7
Asi256I	G!ATC	27	586; 975; 1125; 1151; 1325; 1563; 1603; 1713; 1769; 1778; 1791; 2971; 2975; 2994; 3305; 3383; 3464; 3473; 3551; 3927; 3943; 4302; 4314; 4392; 4400; 4411; 4486
AsiGI	A!CCGGT	2	600; 1508
AsiSI	GCGAT!CGC	0	
AspI	GACN!NNGTC	1	3251
Asp700I	GAANN!NNTTC	1	1459
Asp718I	G!GTACC	0	
AspA2I	C!CTAGG	2	2955; 3970
AspEI	GACNNN!NNGTC	0	
AspLEI	GCG!C	21	597; 2399; 2407; 2433; 2455; 2464; 2477; 2508; 3127; 3135; 3199; 3236; 3502; 3762; 3938; 4024; 4427; 4536; 4710; 4810; 4877
AspS9I	G!GNCC	15	83; 276; 760; 1003; 1095; 1116; 1388; 1439; 1545; 2240; 3649; 4094; 4140; 4198; 4231
AssI	AGT!ACT	1	1762
AsuII	TT!CGAA	1	3815
AsuC2I	CC!SGG	9	1184; 1350; 1451; 1452; 1567; 3137; 3297; 3910; 4674
AsuHPI	GGTGANNNNNNNN!	5	376; 627; 996; 4204; 4320
AsuHPI	!NNNNNNNTCACC	5	885; 1644; 1735; 2250; 3311
AsuNHI	G!CTAGC	1	591
AvaI	C!YCGRG	2	1328; 1450
AvaII	G!GWCC	3	1388; 3649; 4094
AviII	TGC!GCA	1	3235

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AvrII	C!CTAGG	2	2955; 3970
AxyI	CC!TNAGG	3	869; 2613; 4245
BaeI	ACNNNNGTAYCNNNNNNNNNNNN!	0	
BaeI	!NNNNNNNGRTACNNNNGT	0	
BaeI	GRTACNNNNGTNNNNNNNNNNNNNN!	0	
BaeI	!NNNNNNNNNNACNNNNGTAYC	0	
BaeGI	GKGCMI!C	7	667; 694; 727; 1304; 3079; 3172; 4741
BalI	TGG!CCA	2	1270; 3215
BamHI	G!GATCC	1	1768
BanI	G!GYRCC	6	465; 664; 724; 2286; 3132; 3167
BanII	GRGCY!C	5	1335; 1632; 2324; 3498; 4208
BanIII	AT!CGAT	1	2973
BarI	GAAGNNNNNTACNNNNNNNNNNNN!	1	1161
BarI	!NNNNNNNGTANNNNNNCTTC	0	
BarI	GTANNNNNNCTTCNNNNNNNNNNNN!	0	
BarI	!NNNNNNNGAAGNNNNNNNTAC	1	1129
BasI	CCANNNN!NTGG	0	
BauI	C!ACGAG	3	1255; 3851; 4878
BauI	C!TCGTG	2	1105; 3725
BbeI	GGCGC!C	1	3136
Bbr7I	GAAGACNNNNNNN!	4	916; 1149; 1217; 1467
Bbr7I	!NNNNNNNNNNNGTCTTC	0	
BbrPI	CAC!GTG	0	
BbsI	GAAGACNN!	4	911; 1144; 1212; 1462
BbsI	!NNNNNNGTCTTC	0	
BbuI	GCATG!C	3	2703; 2775; 3538
BbvI	GCAGCNNNNNNNNN!	8	821; 1263; 1921; 3206; 3248; 3769; 4222; 4722
BbvI	!NNNNNNNNNNNGCTGC	8	940; 1565; 2415; 3080; 3264; 3357; 4423; 4629
Bbv12I	GWGCW!C	6	694; 1335; 1621; 3246; 3436; 4741
BbvCI	CC!TCAGC	0	
BbvCI	GC!TGAGG	1	1481
BccI	CCATCNNNN!	6	1002; 1414; 2263; 2827; 3353; 3855
BccI	!NNNNNGATGG	4	1677; 2231; 3011; 3439
BceAI	ACGGCNNNNNNNNNNNN!	6	822; 966; 1017; 1083; 3559; 4046
BceAI	!NNNNNNNNNNNNNGCCGT	4	1429; 2274; 3092; 4551
BceFI	ACGGCNNNNNNNNNNNN!	6	822; 966; 1017; 1083; 3559; 4046
BceFI	!NNNNNNNNNNNNNGCCGT	4	1430; 2275; 3093; 4552
BcgI	CGANNNNNNTGCNNNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNNGCANNNNNNNTCG	0	
BcgI	GCANNNNNNTCGNNNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNNCGANNNNNNTGC	0	
BciVI	GTATCCNNNNNN!	3	2562; 3352; 4853
BciVI	!NNNNNGGATAC	0	
BclI	T!GATCA	2	1712; 1790
BcnI	CC!SGG	9	1184; 1350; 1451; 1452; 1567; 3137; 3297; 3910; 4674
BcuI	A!CTAGT	0	
BdaI	TGANNNNNNNTCANNNNNNNNNNN!	2	1813; 4986
BdaI	!NNNNNNNNNNNTGANNNNNNTCA	2	1779; 4952
BfaI	C!TAG	10	592; 1289; 1672; 1781; 1982; 2400; 2956; 3971; 4305; 4558
BfiI	ACTGGGNNNNN!	2	1306; 3082
BfiI	!NNNCCCAGT	3	289; 1752; 2834
BfmI	C!TRYAG	3	2468; 4595; 4786
BfoI	RGCGC!Y	5	598; 2400; 2408; 3136; 4811
BfrI	C!TTAAG	0	
BfuI	GTATCCNNNNNN!	3	2562; 3352; 4853
BfuI	!NNNNNGGATAC	0	
BfuAI	ACCTGCNNNN!	3	1754; 3401; 3851
BfuAI	!NNNNNNNNNGCAGGT	1	3020
BfuCI	!GATC	27	585; 974; 1124; 1150; 1324; 1562; 1602; 1712; 1768; 1777; 1790; 2970; 2974; 2993; 3304; 3382; 3463; 3472; 3550; 3926; 3942; 4301; 4313; 4391; 4399; 4410; 4485
BglI	GCCNNNN!NGGC	6	90; 212; 283; 1079; 1093; 2908
BglII	A!GATCT	1	1324

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BisI	GC!NGC	37	759; 810; 954; 1071; 1252; 1403; 1442; 1579; 1750; 1910; 2429; 2451; 2465; 2903; 3042; 3094; 3105; 3195; 3200; 3237; 3278; 3365; 3368; 3371; 3607; 3703; 3744; 3758; 3872; 4211; 4226; 4437; 4643; 4646; 4711; 4854; 5009
BlnI	C!CTAGG	2	2955; 3970
BlpI	GC!TNAGC	0	
BlsI	GCN!GC	37	760; 811; 955; 1072; 1253; 1404; 1443; 1580; 1751; 1911; 2430; 2452; 2466; 2904; 3043; 3095; 3106; 3196; 3201; 3238; 3279; 3366; 3369; 3372; 3608; 3704; 3745; 3759; 3873; 4212; 4227; 4438; 4644; 4647; 4712; 4855; 5010
BmcAI	AGT!ACT	1	1762
Bme18I	G!GWCC	3	1388; 3649; 4094
Bme1390I	CC!NGG	26	90; 283; 787; 835; 931; 946; 1075; 1184; 1350; 1451; 1452; 1495; 1567; 2669; 2724; 2741; 3137; 3297; 3520; 3910; 4099; 4202; 4674; 4892; 4905; 5026
BmeRI	GACNNN!NNGTC	0	
BmeT110I	C!YCGRG	2	1328; 1450
BmgBI	CAC!GTC	0	
BmgBI	GAC!GTG	0	
BmgT120I	GG!NCC	15	84; 277; 761; 1004; 1096; 1117; 1389; 1440; 1546; 2241; 3650; 4095; 4141; 4199; 4232
BmiI	GGN!NCC	21	467; 666; 726; 1117; 1389; 1546; 1629; 1770; 2288; 2309; 2321; 2512; 2673; 2745; 3134; 3169; 4017; 4096; 4141; 4984; 5023
BmrI	ACTGGGNNNNN!	2	1306; 3082
BmrI	!NNNNCCCAGT	3	289; 1752; 2834
BmrFI	CC!NGG	26	90; 283; 787; 835; 931; 946; 1075; 1184; 1350; 1451; 1452; 1495; 1567; 2669; 2724; 2741; 3137; 3297; 3520; 3910; 4099; 4202; 4674; 4892; 4905; 5026
BmsI	GCATCNNNNN!	7	848; 1949; 2712; 2784; 3432; 3496; 3771
BmsI	!NNNNNNNNNGATGC	7	357; 1001; 1169; 3091; 3346; 3562; 4954
BmtI	GCTAG!C	1	595
BmuI	ACTGGGNNNNN!	2	1306; 3082
BmuI	!NNNNCCCAGT	3	289; 1752; 2834
BoxI	GACNN!NNGTC	2	1243; 1672
BpiI	GAAGACNN!	4	911; 1144; 1212; 1462
BpiI	!NNNNNNGTCTTC	0	
BpI	GAGNNNNNCTCNNNNNNNNNNNN!	2	2922; 3821
BpI	!NNNNNNNNNGAGNNNNNCTC	2	2890; 3789
BpmI	CTGGAGNNNNNNNNNNNNNNNN!	1	3973
BpmI	!NNNNNNNNNNNNNNNCTCCAG	2	928; 3916
Bpu10I	CC!TNAGC	0	
Bpu10I	GC!TNAGG	1	1481
Bpu14I	TT!CGAA	1	3815
Bpu1102I	GC!TNAGC	0	
BpuAI	GAAGACNN!	4	911; 1144; 1212; 1462
BpuAI	!NNNNNNGTCTTC	0	
BpuEI	CTTGAGNNNNNNNNNNNNNNNN!	2	4427; 4966
BpuEI	!NNNNNNNNNNNNNNNCTCAAG	4	1159; 1319; 3509; 4668
BpuMI	CC!SGG	9	1184; 1350; 1451; 1452; 1567; 3137; 3297; 3910; 4674
BpvUI	CGAT!CG	0	
BsaI	GGTCTCN!	0	
BsaI	!NNNNNGAGACC	3	1042; 1231; 4122
Bsa29I	AT!CGAT	1	2973
BsaAI	YAC!GTR	3	340; 2249; 3437
BsaBI	GATNN!NNATC	2	1795; 2992
BsaHI	GR!CGYC	8	122; 175; 258; 444; 1187; 3133; 3835; 3914
BsaJI	C!CNNGG	23	360; 611; 698; 833; 834; 929; 1343; 1449; 1701; 2667; 2739; 2862; 2897; 2906; 2955; 3296; 3565; 3970; 4097; 4098; 4200; 4201; 4891
BsaMI	GAATGCN!	1	1884
BsaMI	G!CATTC	1	1977
BsaWI	W!CCGGW	9	600; 1315; 1508; 1621; 1774; 3164; 4008; 4698; 4845
BsaXI	ACNNNNNCTCCNNNNNNNNNN!	2	1444; 2213
BsaXI	!NNNNNNNGGAGNNNNNNGT	0	
BsaXI	GGAGNNNNNNGTNNNNNNNNNN!	0	
BsaXI	!NNNNNNNNNACNNNNNCTCC	2	1414; 2183

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BsbI	CAACACNNNNNNNNNNNNNNNNNNNNNN!	0	
BsbI	!NNNNNNNNNNNNNNNNNNNGTGTG	2	2134; 4041
Bsc4I	CCNNNNN!NNGG	25	49; 721; 834; 1000; 1066; 1349; 1380; 1436; 1451; 1683; 2145; 2471; 2863; 3114; 3658; 3939; 3971; 4103; 4138; 4188; 4220; 4573; 4852; 5018; 5036
BscAI	GCATCNNNN!	7	847; 1948; 2711; 2783; 3431; 3495; 3770
BscAI	!NNNNNNGATGC	7	360; 1004; 1172; 3094; 3349; 3565; 4957
BseI	ACTGGN!	5	1214; 1301; 3077; 3278; 4524
BseI	C!CAGT	6	295; 1758; 2162; 2840; 4636; 4649
Bse8I	GATNN!NNATC	2	1795; 2992
Bse2II	CC!TNAGG	3	869; 2613; 4245
Bse118I	R!CCGGY	6	600; 1508; 2350; 3452; 3633; 3916
BseAI	T!CCGGA	1	1315
BseBI	CC!WGG	17	90; 283; 787; 835; 931; 946; 1075; 1495; 2669; 2724; 2741; 3520; 4099; 4202; 4892; 4905; 5026
BseCI	AT!CGAT	1	2973
BseDI	C!CNNGG	23	360; 611; 698; 833; 834; 929; 1343; 1449; 1701; 2667; 2739; 2862; 2897; 2906; 2955; 3296; 3565; 3970; 4097; 4098; 4200; 4201; 4891
Bse3DI	GCAATGNN!	1	3366
Bse3DI	!CATTGC	0	
BseGI	GGATGNN!	4	2993; 3450; 3475; 3929
BseGI	!CATCC	5	694; 782; 839; 994; 2819
BseJI	GATNN!NNATC	2	1795; 2992
BseLI	CCNNNNN!NNGG	25	49; 721; 834; 1000; 1066; 1349; 1380; 1436; 1451; 1683; 2145; 2471; 2863; 3114; 3658; 3939; 3971; 4103; 4138; 4188; 4220; 4573; 4852; 5018; 5036
BseMI	GCAATGNN!	1	3366
BseMI	!CATTGC	0	
BseMII	CTCAGNNNNNNNNNN!	2	1335; 4259
BseMII	!NNNNNNNNCTGAG	7	860; 1472; 2604; 2906; 3787; 4359; 4768
BseNI	ACTGGN!	5	1214; 1301; 3077; 3278; 4524
BseNI	C!CAGT	6	295; 1758; 2162; 2840; 4636; 4649
BsePI	G!CGCGC	0	
BseRI	GAGGAGNNNNNNNNNN!	2	1640; 2951
BseRI	!NNNNNNNNCTCCTC	0	
BseSI	GKGCMI!C	7	667; 694; 727; 1304; 3079; 3172; 4741
BseXI	GCAGCNNNNNNNN!	8	821; 1263; 1921; 3206; 3248; 3769; 4222; 4722
BseXI	!NNNNNNNNNNNGCTGC	8	940; 1565; 2415; 3080; 3264; 3357; 4423; 4629
BseX3I	C!GGCCG	1	3039
BseYI	C!CCAGC	3	2676; 2748; 4747
BseYI	G!CTGGG	2	1031; 3637
BsgI	GTGCAGNNNNNNNNNNNNNNNN!	0	
BsgI	!NNNNNNNNNNNNNNCTGCAC	0	
Bsh1236I	CG!CG	16	60; 1402; 2021; 2057; 2433; 2453; 2477; 2508; 3199; 3500; 3938; 4022; 4085; 4154; 4427; 5008
Bsh1285I	CGRY!CG	3	752; 3042; 4717
BshFI	GG!CC	32	84; 277; 761; 1004; 1039; 1073; 1096; 1118; 1228; 1270; 1348; 1405; 1441; 1547; 1738; 2099; 2241; 2896; 2902; 2911; 2954; 3041; 3215; 3606; 3633; 4142; 4199; 4232; 4577; 5011; 5029; 5040
BshNI	G!GYRCC	6	465; 664; 724; 2286; 3132; 3167
BshTI	A!CCGGT	2	600; 1508
BshVI	AT!CGAT	1	2973
BsiEI	CGRY!CG	3	752; 3042; 4717
BsiHKAI	GWGCW!C	6	694; 1335; 1621; 3246; 3436; 4741
BsiHKCI	C!YCGRG	2	1328; 1450
BsiSI	C!CGG	25	601; 1184; 1316; 1349; 1451; 1509; 1566; 1622; 1775; 2351; 3038; 3115; 3137; 3165; 3296; 3386; 3453; 3634; 3909; 3917; 4009; 4483; 4673; 4699; 4846
BsiWI	C!GTACG	0	
BsII	CCNNNNN!NNGG	25	49; 721; 834; 1000; 1066; 1349; 1380; 1436; 1451; 1683; 2145; 2471; 2863; 3114; 3658; 3939; 3971; 4103; 4138; 4188; 4220; 4573; 4852; 5018; 5036
BsIFI	GGGACNNNNNNNNNN!	8	175; 326; 494; 1401; 1582; 3284; 3816; 3925
BsIFI	!NNNNNNNNNNNNNGTCCC	5	1432; 2649; 2721; 2785; 4080
BsmI	GAATGCN!	1	1884

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BsmI	G!CATTC	1	1977
BsmAI	GTCTCN!	1	434
BsmAI	!NNNNNGAGAC	6	1042; 1231; 2557; 2975; 3994; 4122
BsmBI	CGTCTCN!	0	
BsmBI	!NNNNNGAGACG	0	
BsmFI	GGGACNNNNNNNNNN!	8	175; 326; 494; 1401; 1582; 3284; 3816; 3925
BsmFI	!NNNNNNNNNNNNNGTCCC	5	1432; 2649; 2721; 2785; 4080
BsnI	GG!CC	32	84; 277; 761; 1004; 1039; 1073; 1096; 1118; 1228; 1270; 1348; 1405; 1441; 1547; 1738; 2099; 2241; 2896; 2902; 2911; 2954; 3041; 3215; 3606; 3633; 4142; 4199; 4232; 4577; 5011; 5029; 5040
Bso31I	GGTCTCN!	0	
Bso31I	!NNNNNGAGACC	3	1042; 1231; 4122
BsoBI	C!YCGRG	2	1328; 1450
Bsp13I	T!CCGGA	1	1315
Bsp19I	C!CATGG	5	360; 611; 1343; 2862; 3565
Bsp24I	GACNNNNNTGGNNNNNNNNNN!	2	289; 3936
Bsp24I	!NNNNNNCCANNNNNNNGTC	2	4357; 4535
Bsp24I	CCANNNNNGTCNNNNNNNNNN!	2	4389; 4567
Bsp24I	!NNNNNNNGACNNNNNTGG	2	257; 3904
Bsp68I	TCG!CGA	0	
Bsp119I	TT!CGAA	1	3815
Bsp120I	G!GGCCC	0	
Bsp143I	!GATC	27	585; 974; 1124; 1150; 1324; 1562; 1602; 1712; 1768; 1777; 1790; 2970; 2974; 2993; 3304; 3382; 3463; 3472; 3550; 3926; 3942; 4301; 4313; 4391; 4399; 4410; 4485
Bsp1286I	GDGCH!C	15	667; 694; 727; 1304; 1335; 1621; 1632; 2324; 3079; 3172; 3246; 3436; 3498; 4208; 4741
Bsp1407I	T!GTACA	1	653
Bsp1720I	GC!TNAGC	0	
BspACI	C!CGC	35	58; 86; 98; 112; 279; 507; 589; 923; 1061; 1163; 1442; 2448; 2451; 2465; 2555; 2803; 2815; 2824; 2836; 2846; 2857; 2903; 3042; 3105; 3607; 3652; 3718; 3744; 3869; 3872; 4020; 4152; 4459; 4603; 5099
BspACI	G!CGG	30	370; 403; 528; 748; 758; 1070; 1112; 1381; 1402; 1749; 2393; 2420; 2508; 2618; 3199; 3263; 3364; 3367; 3647; 3702; 3800; 3938; 4085; 4225; 4468; 4713; 4834; 4853; 4980; 5008
BspCNI	CTCAGNNNNNNNN!	2	1334; 4258
BspCNI	!NNNNNNCTGAG	7	861; 1473; 2605; 2907; 3788; 4360; 4769
BspDI	AT!CGAT	1	2973
BspD6I	GACTCNNNN!	7	418; 1327; 1431; 1578; 2206; 3812; 4689
BspD6I	!NNNNNGAGTC	3	883; 2169; 2601
BspEI	T!CCGGA	1	1315
BspFNI	CG!CG	16	60; 1402; 2021; 2057; 2433; 2453; 2477; 2508; 3199; 3500; 3938; 4022; 4085; 4154; 4427; 5008
BspHI	T!CATGA	2	2559; 4331
BspLI	GGN!NCC	21	467; 666; 726; 1117; 1389; 1546; 1629; 1770; 2288; 2309; 2321; 2512; 2673; 2745; 3134; 3169; 4017; 4096; 4141; 4984; 5023
BspMI	ACCTGCNNNN!	3	1754; 3401; 3851
BspMI	!NNNNNNNGCAGGT	1	3020
BspOI	GCTAG!C	1	595
BspPI	GGATCNNNN!	10	1610; 1776; 1785; 3001; 3312; 3558; 3950; 4309; 4407; 4493
BspPI	!NNNNNGATCC	8	580; 1145; 1557; 1763; 3377; 3921; 4308; 4405
BspQI	GCTCTCN!	0	
BspQI	!NNNNGAAGAGC	2	3477; 3687
BspTI	C!TTAAG	0	
BspT104I	TT!CGAA	1	3815
BspT107I	G!GYRCC	6	465; 664; 724; 2286; 3132; 3167
BspTNI	GGTCTCN!	0	
BspTNI	!NNNNNGAGACC	3	1042; 1231; 4122
BsrI	ACTGGN!	5	1214; 1301; 3077; 3278; 4524
BsrI	C!CAGT	6	295; 1758; 2162; 2840; 4636; 4649
BsrBI	CCG!CTC	2	2557; 3746
BsrBI	GAG!CGG	2	2393; 3800
BsrDI	GCAATGNN!	1	3366

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BsrDI	!CATTGC	0	
BsrFI	R!CCGGY	6	600; 1508; 2350; 3452; 3633; 3916
BsrGI	T!GTACA	1	653
BsrSI	ACTGGN!	5	1214; 1301; 3077; 3278; 4524
BsrSI	C!CAGT	6	295; 1758; 2162; 2840; 4636; 4649
BssAI	R!CCGGY	6	600; 1508; 2350; 3452; 3633; 3916
BssECI	C!CNNGG	23	360; 611; 698; 833; 834; 929; 1343; 1449; 1701; 2667; 2739; 2862; 2897; 2906; 2955; 3296; 3565; 3970; 4097; 4098; 4200; 4201; 4891
BssHII	G!CGCGC	0	
BssKI	!CCNGG	26	88; 281; 785; 833; 929; 944; 1073; 1182; 1348; 1449; 1450; 1493; 1565; 2667; 2722; 2739; 3135; 3295; 3518; 3908; 4097; 4200; 4672; 4890; 4903; 5024
BssMI	!GATC	27	585; 974; 1124; 1150; 1324; 1562; 1602; 1712; 1768; 1777; 1790; 2970; 2974; 2993; 3304; 3382; 3463; 3472; 3550; 3926; 3942; 4301; 4313; 4391; 4399; 4410; 4485
BssNI	GR!CGYC	8	122; 175; 258; 444; 1187; 3133; 3835; 3914
BssNAI	GTA!TAC	0	
BssSI	C!ACGAG	3	1255; 3851; 4878
BssSI	C!TCGTG	2	1105; 3725
BssTII	C!CWWGG	7	360; 611; 1343; 2862; 2955; 3565; 3970
Bst6I	CTCTTCN!	0	
Bst6I	!NNNNGAAGAG	3	2600; 3477; 3687
Bst98I	C!TTAAG	0	
Bst1107I	GTA!TAC	0	
BstACI	GR!CGYC	8	122; 175; 258; 444; 1187; 3133; 3835; 3914
BstAFI	C!TTAAG	0	
BstAPI	GCANNNN!NTGC	3	2700; 2772; 4234
BstAUI	T!GTACA	1	653
BstBI	TT!CGAA	1	3815
Bst2BI	C!ACGAG	3	1255; 3851; 4878
Bst2BI	C!TCGTG	2	1105; 3725
BstBAI	YAC!GTR	3	340; 2249; 3437
Bst4CI	ACN!GT	16	76; 198; 269; 543; 581; 669; 1650; 1705; 2224; 3513; 3629; 3737; 4060; 4551; 5021; 5092
BstC8I	GCN!NGC	32	86; 279; 593; 622; 712; 916; 1478; 2352; 2395; 2409; 2682; 2701; 2754; 2773; 3027; 3213; 3432; 3498; 3504; 3532; 3536; 3577; 3581; 3635; 3918; 4105; 4152; 4208; 4230; 4441; 5001; 5038
BstDEI	C!TNAG	11	869; 1166; 1321; 1481; 1764; 2613; 2915; 3796; 4245; 4368; 4777
BstDSI	C!CRYGG	6	360; 611; 1343; 1701; 2862; 3565
BstEII	G!GTNACC	0	
BstENI	CCTNN!NNNAGG	0	
BstF5I	GGATGNN!	4	2993; 3450; 3475; 3929
BstF5I	!CATCC	5	694; 782; 839; 994; 2819
BstFNI	CG!CG	16	60; 1402; 2021; 2057; 2433; 2453; 2477; 2508; 3199; 3500; 3938; 4022; 4085; 4154; 4427; 5008
BstH2I	RGCGC!Y	5	598; 2400; 2408; 3136; 4811
BstHHI	GCG!C	21	597; 2399; 2407; 2433; 2455; 2464; 2477; 2508; 3127; 3135; 3199; 3236; 3502; 3762; 3938; 4024; 4427; 4536; 4710; 4810; 4877
BstKTI	GAT!C	27	588; 977; 1127; 1153; 1327; 1565; 1605; 1715; 1771; 1780; 1793; 2973; 2977; 2996; 3307; 3385; 3466; 3475; 3553; 3929; 3945; 4304; 4316; 4394; 4402; 4413; 4488
BstMAI	GTCTCN!	1	434
BstMAI	!NNNNGAGAC	6	1042; 1231; 2557; 2975; 3994; 4122
BstMBI	!GATC	27	585; 974; 1124; 1150; 1324; 1562; 1602; 1712; 1768; 1777; 1790; 2970; 2974; 2993; 3304; 3382; 3463; 3472; 3550; 3926; 3942; 4301; 4313; 4391; 4399; 4410; 4485
BstMCI	CGRY!CG	3	752; 3042; 4717
BstMWI	GCNNNNN!NNGC	30	90; 212; 244; 283; 376; 400; 648; 1079; 1093; 1345; 1677; 2360; 2390; 2417; 2459; 2700; 2772; 2823; 2902; 3124; 3208; 3231; 3370; 3493; 3576; 3843; 4030; 4234; 4433; 5005
BstNI	CC!WGG	17	90; 283; 787; 835; 931; 946; 1075; 1495; 2669; 2724; 2741; 3520; 4099; 4202; 4892; 4905; 5026
BstNSI	RCATG!Y	5	642; 2703; 2775; 3538; 5055

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BstOI	CC!WGG	17	90; 283; 787; 835; 931; 946; 1075; 1495; 2669; 2724; 2741; 3520; 4099; 4202; 4892; 4905; 5026
BstPI	G!GTNACC	0	
BstPAI	GACNN!NNGTC	2	1243; 1672
BstSCI	!CCNGG	26	88; 281; 785; 833; 929; 944; 1073; 1182; 1348; 1449; 1450; 1493; 1565; 2667; 2722; 2739; 3135; 3295; 3518; 3908; 4097; 4200; 4672; 4890; 4903; 5024
BstSFI	C!TRYAG	3	2468; 4595; 4786
BstSLI	GKGCMLC	7	667; 694; 727; 1304; 3079; 3172; 4741
BstSNI	TAC!GTA	1	340
BstUI	CG!CG	16	60; 1402; 2021; 2057; 2433; 2453; 2477; 2508; 3199; 3500; 3938; 4022; 4085; 4154; 4427; 5008
Bst2UI	CC!WGG	17	90; 283; 787; 835; 931; 946; 1075; 1495; 2669; 2724; 2741; 3520; 4099; 4202; 4892; 4905; 5026
BstV1I	GCAGCNNNNNNNN!	8	821; 1263; 1921; 3206; 3248; 3769; 4222; 4722
BstV1I	!NNNNNNNNNNNGCTGC	8	940; 1565; 2415; 3080; 3264; 3357; 4423; 4629
BstV2I	GAAGACNN!	4	911; 1144; 1212; 1462
BstV2I	!NNNNNNGTCTTC	0	
BstXI	CCANNNNN!NTGG	0	
BstX2I	R!GATCY	13	585; 1150; 1324; 1602; 1768; 1777; 3304; 3550; 3942; 4301; 4313; 4399; 4410
BstYI	R!GATCY	13	585; 1150; 1324; 1602; 1768; 1777; 3304; 3550; 3942; 4301; 4313; 4399; 4410
BstZI	C!GGCCG	1	3039
BstZ17I	GTA!TAC	0	
BsuI	GTATCCNNNNNN!	3	2562; 3352; 4853
BsuI	!NNNNNGGATAC	0	
Bsu15I	AT!CGAT	1	2973
Bsu36I	CC!TNAGG	3	869; 2613; 4245
BsuRI	GG!CC	32	84; 277; 761; 1004; 1039; 1073; 1096; 1118; 1228; 1270; 1348; 1405; 1441; 1547; 1738; 2099; 2241; 2896; 2902; 2911; 2954; 3041; 3215; 3606; 3633; 4142; 4199; 4232; 4577; 5011; 5029; 5040
BsuTUI	AT!CGAT	1	2973
BtgI	C!CRYGG	6	360; 611; 1343; 1701; 2862; 3565
BtgZI	GCGATGNNNNNNNNNN!	2	2250; 3585
BtgZI	!NNNNNNNNNNNNNCATCGC	3	334; 3404; 3748
BthCI	GCNG!C	37	761; 812; 956; 1073; 1254; 1405; 1444; 1581; 1752; 1912; 2431; 2453; 2467; 2905; 3044; 3096; 3107; 3197; 3202; 3239; 3280; 3367; 3370; 3373; 3609; 3705; 3746; 3760; 3874; 4213; 4228; 4439; 4645; 4648; 4713; 4856; 5011
BtrI	CAC!GTC	0	
BtrI	GAC!GTG	0	
BtsI	GCAGTGNN!	0	
BtsI	!CACTGC	2	1573; 1972
BtsCI	GGATGNN!	4	2993; 3450; 3475; 3929
BtsCI	!CATCC	5	694; 782; 839; 994; 2819
BtuMI	TCG!CGA	0	
BveI	ACCTGCNNNN!	3	1754; 3401; 3851
BveI	!NNNNNNNNNGCAGGT	1	3020
Cac8I	GCN!NGC	32	86; 279; 593; 622; 712; 916; 1478; 2352; 2395; 2409; 2682; 2701; 2754; 2773; 3027; 3213; 3432; 3498; 3504; 3532; 3536; 3577; 3581; 3635; 3918; 4105; 4152; 4208; 4230; 4441; 5001; 5038
CaiI	CAGNNN!CTG	3	1277; 4234; 4642
CciI	T!CATGA	2	2559; 4331
CciNI	GC!GGCCGC	0	
CdiI	CATC!G	7	352; 1368; 1410; 3422; 3427; 3625; 3766
CdiI	C!GATG	2	2236; 3571
CdpI	GCGGAGNNNNNNNNNNNNNNNNNNNNNN!	1	5005
CdpI	!NNNNNNNNNNNNNNNNNNNNCTCCGC	3	486; 2794; 2836
CelII	GC!TNAGC	0	
CfoI	GCG!C	21	597; 2399; 2407; 2433; 2455; 2464; 2477; 2508; 3127; 3135; 3199; 3236; 3502; 3762; 3938; 4024; 4427; 4536; 4710; 4810; 4877
CfrI	Y!GGCCR	7	1268; 1346; 1403; 3039; 3213; 3604; 3631
Cfr9I	C!CCGGG	1	1450

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Cfr10I	R!CCGGY	6	600; 1508; 2350; 3452; 3633; 3916
Cfr13I	G!GNCC	15	83; 276; 760; 1003; 1095; 1116; 1388; 1439; 1545; 2240; 3649; 4094; 4140; 4198; 4231
Cfr42I	CCGC!GG	0	
ChaI	GATC!	27	589; 978; 1128; 1154; 1328; 1566; 1606; 1716; 1772; 1781; 1794; 2974; 2978; 2997; 3308; 3386; 3467; 3476; 3554; 3930; 3946; 4305; 4317; 4395; 4403; 4414; 4489
CjeI	CCANNNNNNGTNNNNNNNNNNNNNNN!	6	706; 1502; 2950; 4390; 4490; 4568
CjeI	!NNNNNNNNNACNNNNNNNTGG	7	64; 257; 2617; 2712; 3904; 4454; 5009
CjeI	ACNNNNNNNTGGNNNNNNNNNNNNNN!	7	98; 291; 2651; 2746; 3938; 4488; 5043
CjeI	!NNNNNNNNCCANNNNNNGT	6	672; 1468; 2916; 4356; 4456; 4534
CjePI	CCANNNNNNNNTCNNNNNNNNNNNNNN!	3	1573; 4390; 4568
CjePI	!NNNNNNNNGANNNNNNNTGG	4	257; 1076; 3904; 4503
CjePI	GANNNNNNNTGGNNNNNNNNNNNNNN!	4	290; 1109; 3937; 4536
CjePI	!NNNNNNNNCCANNNNNNNNTC	3	1540; 4357; 4535
Clal	AT!CGAT	1	2973
CpoI	CG!GWCCG	1	3649
CseI	GACGCNNNNN!	5	526; 1408; 1677; 3843; 3922
CseI	!NNNNNNNNNGCGTC	4	1176; 2466; 4361; 4939
CsiI	A!CCWGGT	1	2722
CspI	CG!GWCCG	1	3649
Csp6I	G!TAC	12	218; 243; 298; 331; 382; 539; 654; 804; 1056; 1610; 1761; 3438
Csp45I	TT!CGAA	1	3815
CspAI	A!CCGGT	2	600; 1508
CspCI	CAANNNNNGTGGNNNNNNNNNNNNN!	1	411
CspCI	!NNNNNNNNNNCCACNNNNNTTG	0	
CspCI	CCACNNNNNTTGGNNNNNNNNNNNNN!	0	
CspCI	!NNNNNNNNNNCAANNNNNGTGG	1	376
CstMI	AAGGAGNNNNNNNNNNNNNNNNNNN!	4	656; 1247; 2413; 4022
CstMI	!NNNNNNNNNNNNNNNNNNCTCCTT	0	
CviAII	C!ATG	25	301; 361; 612; 639; 645; 657; 735; 801; 881; 1092; 1344; 1656; 2560; 2700; 2772; 2863; 3004; 3349; 3535; 3566; 3592; 3948; 4332; 5052; 5103
CviJI	RG!CY	104	42; 84; 93; 277; 566; 607; 624; 651; 714; 761; 790; 797; 875; 941; 953; 1004; 1031; 1039; 1073; 1087; 1096; 1104; 1118; 1228; 1264; 1270; 1333; 1339; 1348; 1373; 1405; 1415; 1441; 1480; 1533; 1547; 1630; 1738; 1802; 1912; 2079; 2099; 2241; 2322; 2336; 2350; 2631; 2672; 2744; 2867; 2896; 2902; 2911; 2919; 2942; 2954; 2960; 3041; 3058; 3066; 3093; 3118; 3202; 3211; 3215; 3239; 3277; 3353; 3370; 3389; 3452; 3496; 3506; 3523; 3606; 3633; 3637; 3674; 3697; 3713; 3893; 3920; 3981; 4103; 4142; 4199; 4206; 4213; 4232; 4243; 4494; 4523; 4566; 4577; 4642; 4721; 4746; 4751; 4797; 4887; 4985; 5011; 5029; 5040
CviKI-1	RG!CY	104	42; 84; 93; 277; 566; 607; 624; 651; 714; 761; 790; 797; 875; 941; 953; 1004; 1031; 1039; 1073; 1087; 1096; 1104; 1118; 1228; 1264; 1270; 1333; 1339; 1348; 1373; 1405; 1415; 1441; 1480; 1533; 1547; 1630; 1738; 1802; 1912; 2079; 2099; 2241; 2322; 2336; 2350; 2631; 2672; 2744; 2867; 2896; 2902; 2911; 2919; 2942; 2954; 2960; 3041; 3058; 3066; 3093; 3118; 3202; 3211; 3215; 3239; 3277; 3353; 3370; 3389; 3452; 3496; 3506; 3523; 3606; 3633; 3637; 3674; 3697; 3713; 3893; 3920; 3981; 4103; 4142; 4199; 4206; 4213; 4232; 4243; 4494; 4523; 4566; 4577; 4642; 4721; 4746; 4751; 4797; 4887; 4985; 5011; 5029; 5040
CviQI	G!TAC	12	218; 243; 298; 331; 382; 539; 654; 804; 1056; 1610; 1761; 3438
DdeI	C!TNAG	11	869; 1166; 1321; 1481; 1764; 2613; 2915; 3796; 4245; 4368; 4777
DinI	GGC!GCC	1	3134
DpnI	GA!TC	27	587; 976; 1126; 1152; 1326; 1564; 1604; 1714; 1770; 1779; 1792; 2972; 2976; 2995; 3306; 3384; 3465; 3474; 3552; 3928; 3944; 4303; 4315; 4393; 4401; 4412; 4487
DpnII	!GATC	27	585; 974; 1124; 1150; 1324; 1562; 1602; 1712; 1768; 1777; 1790; 2970; 2974; 2993; 3304; 3382; 3463; 3472; 3550; 3926; 3942; 4301; 4313; 4391; 4399; 4410; 4485
DraI	TTT!AAA	3	1835; 4277; 4296
DraII	RG!GNCCY	2	1388; 4231

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
DraIII	CACNNN!GTG	2	1260; 2249
DraRI	CAAGNACNNNNNNNNNNNNNNNNNNNN!	3	266; 1445; 4613
DraRI	!NNNNNNNNNNNNNNNNNGTNCCTG	0	
DrdI	GACNNN!NNGTC	3	2204; 3160; 4949
DrdIV	TACGACNNNNNNNNNNNNNNNNNNNN!	0	
DrdIV	!NNNNNNNNNNNNNNNNNGTCGTA	1	476
DriI	GACNNN!NNGTC	0	
DseDI	GACNNN!NNGTC	3	2204; 3160; 4949
EaeI	Y!GGCCR	7	1268; 1346; 1403; 3039; 3213; 3604; 3631
EagI	C!GGCCG	1	3039
Eam1104I	CTCTTCN!	0	
Eam1104I	!NNNNGAAGAG	3	2600; 3477; 3687
Eam1105I	GACNNN!NNGTC	0	
EarI	CTCTTCN!	0	
EarI	!NNNNGAAGAG	3	2600; 3477; 3687
EciI	GGCGGANNNNNNNNNNNN!	5	1396; 2633; 3662; 4849; 4995
EciI	!NNNNNNNNNTCCGCC	4	496; 2804; 2825; 2846
Ecl136II	GAG!CTC	1	1333
EclXI	C!GGCCG	1	3039
Eco24I	GRGCY!C	5	1335; 1632; 2324; 3498; 4208
Eco31I	GGTCTCN!	0	
Eco31I	!NNNNGAGACC	3	1042; 1231; 4122
Eco32I	GAT!ATC	0	
Eco47I	G!GWCC	3	1388; 3649; 4094
Eco47III	AGC!GCT	1	596
Eco52I	C!GGCCG	1	3039
Eco57I	CTGAAGNNNNNNNNNNNNNNNN!	3	1120; 3279; 3711
Eco57I	!NNNNNNNNNNNNNCTTCAG	1	4509
Eco72I	CAC!GTG	0	
Eco81I	CC!TNAGG	3	869; 2613; 4245
Eco88I	C!YCGRG	2	1328; 1450
Eco91I	G!GTNACC	0	
Eco105I	TAC!GTA	1	340
Eco130I	C!CWWGG	7	360; 611; 1343; 2862; 2955; 3565; 3970
Eco147I	AGG!CCT	2	1039; 2954
EcoHI	!CCSGG	9	1182; 1348; 1449; 1450; 1565; 3135; 3295; 3908; 4672
EcoICRI	GAG!CTC	1	1333
Eco57MI	CTGRAGNNNNNNNNNNNNNNNN!	4	1120; 3279; 3711; 3973
Eco57MI	!NNNNNNNNNNNNNCTYCAG	3	928; 3916; 4509
EcoNI	CCTNN!NNNAGG	0	
Eco065I	G!GTNACC	0	
Eco0109I	RG!GNCCY	2	1388; 4231
EcoRI	G!AATTC	0	
EcoRII	!CCWGG	17	88; 281; 785; 833; 929; 944; 1073; 1493; 2667; 2722; 2739; 3518; 4097; 4200; 4890; 4903; 5024
EcoRV	GAT!ATC	0	
EcoT14I	C!CWWGG	7	360; 611; 1343; 2862; 2955; 3565; 3970
EcoT22I	ATGCA!T	3	2705; 2777; 5108
EcoT38I	GRGCY!C	5	1335; 1632; 2324; 3498; 4208
Eco53kI	GAG!CTC	1	1333
EgeI	GGC!GCC	1	3134
EheI	GGC!GCC	1	3134
ErhI	C!CWWGG	7	360; 611; 1343; 2862; 2955; 3565; 3970
EsaBC3I	TC!GA	16	753; 780; 1248; 1330; 1368; 2283; 2974; 3247; 3403; 3427; 3463; 3625; 3816; 3861; 4116; 4954
Esp3I	CGTCTCN!	0	
Esp3I	!NNNNGAGACG	0	
FaeI	CATG!	25	304; 364; 615; 642; 648; 660; 738; 804; 884; 1095; 1347; 1659; 2563; 2703; 2775; 2866; 3007; 3352; 3538; 3569; 3595; 3951; 4335; 5055; 5106

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
FalI	YA!TR	66	39; 46; 50; 67; 138; 146; 234; 236; 291; 302; 310; 362; 555; 557; 613; 640; 646; 658; 736; 802; 882; 900; 1093; 1146; 1196; 1345; 1378; 1657; 1730; 1795; 1805; 1871; 1916; 2121; 2549; 2561; 2692; 2701; 2764; 2773; 2797; 2864; 2888; 3005; 3069; 3350; 3375; 3536; 3567; 3593; 3665; 3881; 3949; 4027; 4079; 4240; 4257; 4259; 4261; 4333; 4611; 4800; 4916; 4989; 5053; 5104
FalI	AAGNNNNNCTTNNNNNNNNNNNN!	2	879; 3473
FalI	!NNNNNNNAAGNNNNNCTT	2	847; 3441
FaqI	GGGACNNNNNNNNNN!	8	175; 326; 494; 1401; 1582; 3284; 3816; 3925
FaqI	!NNNNNNNNNNNNNGTCCC	5	1432; 2649; 2721; 2785; 4080
FatI	!CATG	25	300; 360; 611; 638; 644; 656; 734; 800; 880; 1091; 1343; 1655; 2559; 2699; 2771; 2862; 3003; 3348; 3534; 3565; 3591; 3947; 4331; 5051; 5102
FauI	CCCGCNNNN!	10	93; 119; 286; 1068; 1170; 2455; 2810; 2831; 4027; 4159
FauI	!NNNNNNNGCGGG	6	1105; 2386; 3256; 3793; 3931; 4078
FauNDI	CA!TATG	1	234
FbaI	T!GATCA	2	1712; 1790
FblI	GT!MKAC	1	1190
FmuI	GGNC!C	15	86; 279; 763; 1006; 1098; 1119; 1391; 1442; 1548; 2243; 3652; 4097; 4143; 4201; 4234
Fnu4HI	GC!NGC	37	759; 810; 954; 1071; 1252; 1403; 1442; 1579; 1750; 1910; 2429; 2451; 2465; 2903; 3042; 3094; 3105; 3195; 3200; 3237; 3278; 3365; 3368; 3371; 3607; 3703; 3744; 3758; 3872; 4211; 4226; 4437; 4643; 4646; 4711; 4854; 5009
FokI	GGATGNNNNNNNNN!	4	3000; 3457; 3482; 3936
FokI	!NNNNNNNNNNNNNCATCC	5	681; 769; 826; 981; 2806
FriOI	GRGCY!C	5	1335; 1632; 2324; 3498; 4208
FseI	GGCCGG!CC	0	
FspI	TGC!GCA	1	3235
FspAI	RTGC!GCAY	0	
FspBI	C!TAG	10	592; 1289; 1672; 1781; 1982; 2400; 2956; 3971; 4305; 4558
FspEI	CCNNNNNNNNNNNN!	174	56; 71; 98; 114; 128; 129; 156; 182; 220; 252; 291; 307; 333; 373; 450; 451; 482; 501; 520; 593; 614; 681; 711; 728; 742; 775; 789; 807; 831; 846; 876; 909; 936; 951; 970; 1006; 1053; 1072; 1087; 1101; 1132; 1155; 1175; 1196; 1242; 1284; 1300; 1329; 1356; 1374; 1404; 1419; 1442; 1458; 1473; 1490; 1507; 1522; 1561; 1579; 1626; 1644; 1668; 1690; 1714; 1752; 1770; 1785; 1816; 1855; 1869; 2010; 2105; 2129; 2152; 2175; 2193; 2215; 2236; 2255; 2274; 2303; 2324; 2338; 2364; 2452; 2478; 2527; 2568; 2586; 2625; 2641; 2679; 2736; 2751; 2808; 2828; 2842; 2859; 2873; 2910; 2925; 2968; 3051; 3118; 3149; 3169; 3184; 3229; 3243; 3309; 3323; 3342; 3358; 3399; 3419; 3466; 3516; 3532; 3552; 3577; 3597; 3620; 3647; 3665; 3691; 3731; 3757; 3781; 3837; 3851; 3879; 3922; 3943; 3978; 4022; 4110; 4134; 4156; 4176; 4192; 4213; 4227; 4246; 4330; 4350; 4378; 4393; 4427; 4469; 4496; 4511; 4556; 4580; 4594; 4616; 4642; 4662; 4686; 4712; 4760; 4779; 4798; 4824; 4859; 4904; 4934; 4948; 4999; 5013; 5038; 5054; 5075; 5104
FspEI	!NNNNNNNNNNNNNNNGG	141	8; 35; 59; 144; 166; 197; 252; 295; 347; 375; 400; 435; 463; 509; 529; 552; 586; 616; 643; 685; 706; 730; 772; 791; 820; 856; 893; 916; 935; 965; 986; 1013; 1052; 1078; 1097; 1169; 1195; 1243; 1282; 1301; 1330; 1363; 1381; 1405; 1423; 1468; 1494; 1514; 1551; 1571; 1607; 1669; 1688; 1720; 1751; 1804; 1904; 1973; 2081; 2130; 2152; 2180; 2216; 2261; 2290; 2326; 2345; 2373; 2393; 2456; 2479; 2587; 2619; 2637; 2666; 2709; 2738; 2849; 2878; 2921; 2942; 2970; 3003; 3023; 3048; 3075; 3100; 3122; 3150; 3176; 3197; 3248; 3269; 3287; 3335; 3371; 3427; 3452; 3476; 3505; 3528; 3552; 3578; 3600; 3619; 3644; 3684; 3720; 3785; 3870; 3894; 3923; 3957; 3978; 3998; 4043; 4070; 4089; 4122; 4174; 4205; 4232; 4284; 4382; 4453; 4498; 4559; 4624; 4658; 4684; 4702; 4738; 4808; 4831; 4853; 4877; 4910; 4958; 4993; 5011; 5068
Fsp4HI	GC!NGC	37	759; 810; 954; 1071; 1252; 1403; 1442; 1579; 1750; 1910; 2429; 2451; 2465; 2903; 3042; 3094; 3105; 3195; 3200; 3237; 3278; 3365; 3368; 3371; 3607; 3703; 3744; 3758; 3872; 4211; 4226; 4437; 4643; 4646; 4711; 4854; 5009
GdiII	C!GGCCR	2	1403; 3039
GdiII	Y!GGCCG	4	1346; 3039; 3604; 3631

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
GlaI	GC!GC	21	596; 2398; 2406; 2432; 2454; 2463; 2476; 2507; 3126; 3134; 3198; 3235; 3501; 3761; 3937; 4023; 4426; 4535; 4709; 4809; 4876
GluI	GC!NGC	37	759; 810; 954; 1071; 1252; 1403; 1442; 1579; 1750; 1910; 2429; 2451; 2465; 2903; 3042; 3094; 3105; 3195; 3200; 3237; 3278; 3365; 3368; 3371; 3607; 3703; 3744; 3758; 3872; 4211; 4226; 4437; 4643; 4646; 4711; 4854; 5009
GsaI	CCCAG!C	3	2680; 2752; 4751
GsaI	GCTGG!G	2	1035; 3641
GsuI	CTGGAGNNNNNNNNNNNNNNNN!	1	3973
GsuI	!NNNNNNNNNNNNNNNNCTCCAG	2	928; 3916
HaeI	WGG!CCW	8	1039; 1270; 1738; 2954; 3215; 4577; 5029; 5040
HaeII	RGCGC!Y	5	598; 2400; 2408; 3136; 4811
HaeIII	GG!CC	32	84; 277; 761; 1004; 1039; 1073; 1096; 1118; 1228; 1270; 1348; 1405; 1441; 1547; 1738; 2099; 2241; 2896; 2902; 2911; 2954; 3041; 3215; 3606; 3633; 4142; 4199; 4232; 4577; 5011; 5029; 5040
HaeIV	GAYNNNNNRTCNNNNNNNNNNNNN!	2	1808; 3329
HaeIV	!NNNNNNNNNGAYNNNNNRTC	2	1774; 3295
HaeIV	GAYNNNNNRTCNNNNNNNNNNNNN!	2	1807; 3328
HaeIV	!NNNNNNNNNGAYNNNNNRTC	2	1776; 3297
HapII	C!CGG	25	601; 1184; 1316; 1349; 1451; 1509; 1566; 1622; 1775; 2351; 3038; 3115; 3137; 3165; 3296; 3386; 3453; 3634; 3909; 3917; 4009; 4483; 4673; 4699; 4846
HgaI	GACGCNNNNN!	5	526; 1408; 1677; 3843; 3922
HgaI	!NNNNNNNNNNNGCGTC	4	1176; 2466; 4361; 4939
HhaI	GCG!C	21	597; 2399; 2407; 2433; 2455; 2464; 2477; 2508; 3127; 3135; 3199; 3236; 3502; 3762; 3938; 4024; 4427; 4536; 4710; 4810; 4877
HinI	GR!CGYC	8	122; 175; 258; 444; 1187; 3133; 3835; 3914
HinIII	CATG!	25	304; 364; 615; 642; 648; 660; 738; 804; 884; 1095; 1347; 1659; 2563; 2703; 2775; 2866; 3007; 3352; 3538; 3569; 3595; 3951; 4335; 5055; 5106
Hin4I	GAYNNNNNVTCNNNNNNNNNNNN!	3	1446; 1807; 3328
Hin4I	!NNNNNNNNNGABNNNNNRTC	3	1775; 3296; 3326
Hin4I	GABNNNNNRTCNNNNNNNNNNNNN!	3	1807; 3328; 3358
Hin4I	!NNNNNNNNNGAYNNNNNVTC	3	1414; 1775; 3296
Hin6I	G!CGC	21	595; 2397; 2405; 2431; 2453; 2462; 2475; 2506; 3125; 3133; 3197; 3234; 3500; 3760; 3936; 4022; 4425; 4534; 4708; 4808; 4875
HinP1I	G!CGC	21	595; 2397; 2405; 2431; 2453; 2462; 2475; 2506; 3125; 3133; 3197; 3234; 3500; 3760; 3936; 4022; 4425; 4534; 4708; 4808; 4875
HincII	GTY!RAC	1	1896
HindII	GTY!RAC	1	1896
HindIII	A!AGCTT	1	1337
HinfI	G!ANTC	17	410; 740; 890; 1217; 1319; 1423; 1570; 2176; 2198; 2608; 3618; 3752; 3804; 3862; 3899; 4681; 5077
HpaI	GTT!AAC	1	1896
HpaII	C!CGG	25	601; 1184; 1316; 1349; 1451; 1509; 1566; 1622; 1775; 2351; 3038; 3115; 3137; 3165; 3296; 3386; 3453; 3634; 3909; 3917; 4009; 4483; 4673; 4699; 4846
HphI	GGTGANNNNNNNN!	5	376; 627; 996; 4204; 4320
HphI	!NNNNNNNTCACC	5	885; 1644; 1735; 2250; 3311
Hpy8I	GTN!NAC	14	201; 539; 577; 672; 692; 987; 1191; 1200; 1701; 1896; 2180; 2197; 2252; 4739
Hpy99I	CGWCG!	8	1249; 3223; 3251; 3545; 3560; 3837; 4222; 4955
Hpy166II	GTN!NAC	14	201; 539; 577; 672; 692; 987; 1191; 1200; 1701; 1896; 2180; 2197; 2252; 4739
Hpy188I	TCN!GA	14	585; 699; 979; 1324; 2307; 2916; 3100; 3444; 3797; 3898; 4377; 4511; 4864; 4942
Hpy188III	TC!NNGA	25	972; 1176; 1316; 1328; 1396; 1781; 2560; 2612; 2925; 2978; 3151; 3467; 3476; 3559; 3615; 3659; 3749; 3782; 3851; 4332; 4406; 4489; 4587; 4685; 4819
HpyAV	CCTTCNNNNNN!	8	780; 828; 873; 1470; 1647; 3778; 3885; 4564
HpyAV	!NNNNNGAAGG	10	700; 1072; 1687; 2366; 3261; 3990; 4006; 4189; 4506; 4816
HpyCH4III	ACN!GT	16	76; 198; 269; 543; 581; 669; 1650; 1705; 2224; 3513; 3629; 3737; 4060; 4551; 5021; 5092

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
HpyCH4IV	A!CGT	16	122; 134; 175; 258; 339; 444; 968; 1244; 2193; 2205; 2248; 2358; 3249; 3436; 4217; 4350
HpyCH4V	TG!CA	21	642; 692; 1014; 1130; 1581; 1882; 1909; 1977; 2694; 2703; 2766; 2775; 2890; 2966; 3025; 3184; 3359; 3373; 4443; 4739; 5106
HpyF3I	C!TNAG	11	869; 1166; 1321; 1481; 1764; 2613; 2915; 3796; 4245; 4368; 4777
HpyF10VI	GCNNNNN!NNGC	30	90; 212; 244; 283; 376; 400; 648; 1079; 1093; 1345; 1677; 2360; 2390; 2417; 2459; 2700; 2772; 2823; 2902; 3124; 3208; 3231; 3370; 3493; 3576; 3843; 4030; 4234; 4433; 5005
Hsp92I	GR!CGYC	8	122; 175; 258; 444; 1187; 3133; 3835; 3914
Hsp92II	CATG!	25	304; 364; 615; 642; 648; 660; 738; 804; 884; 1095; 1347; 1659; 2563; 2703; 2775; 2866; 3007; 3352; 3538; 3569; 3595; 3951; 4335; 5055; 5106
HspAI	G!CGC	21	595; 2397; 2405; 2431; 2453; 2462; 2475; 2506; 3125; 3133; 3197; 3234; 3500; 3760; 3936; 4022; 4425; 4534; 4708; 4808; 4875
KasI	G!GCGCC	1	3132
KfiI	GG!GWCCC	0	
KpnI	GGTAC!C	0	
Kpn2I	T!CCGGA	1	1315
KspI	CCG!GG	0	
Ksp22I	T!GATCA	2	1712; 1790
KspAI	GTT!AAC	1	1896
Kzo9I	!GATC	27	585; 974; 1124; 1150; 1324; 1562; 1602; 1712; 1768; 1777; 1790; 2970; 2974; 2993; 3304; 3382; 3463; 3472; 3550; 3926; 3942; 4301; 4313; 4391; 4399; 4410; 4485
LguI	GCTCTTCN!	0	
LguI	!NNNNGAAGAGC	2	3477; 3687
LpnI	RGC!GCV	5	596; 2398; 2406; 3134; 4809
LpnPI	CCDGNNNNNNNNN!	73	102; 295; 614; 742; 799; 847; 881; 943; 958; 1019; 1066; 1087; 1111; 1135; 1197; 1284; 1329; 1362; 1404; 1464; 1490; 1507; 1522; 1561; 1579; 1635; 1690; 1759; 1788; 1870; 2175; 2364; 2587; 2625; 2641; 2681; 2736; 2753; 2853; 2938; 3051; 3128; 3150; 3173; 3309; 3323; 3342; 3399; 3466; 3516; 3532; 3589; 3647; 3856; 3922; 3946; 4022; 4111; 4214; 4247; 4478; 4496; 4642; 4662; 4686; 4712; 4761; 4859; 4904; 4934; 5013; 5038; 5075
LpnPI	!NNNNNNNNNNNNNNCHGG	61	75; 268; 552; 586; 772; 820; 916; 1017; 1060; 1169; 1195; 1282; 1301; 1334; 1381; 1422; 1480; 1551; 1607; 1760; 2216; 2336; 2393; 2456; 2654; 2666; 2726; 2738; 2970; 3015; 3058; 3100; 3122; 3150; 3197; 3259; 3281; 3371; 3438; 3461; 3505; 3600; 3619; 3644; 3793; 3894; 3937; 3994; 4084; 4187; 4214; 4232; 4468; 4505; 4658; 4684; 4824; 4842; 4877; 4958; 5011
Lsp1109I	GCAGCNNNNNNNN!	8	821; 1263; 1921; 3206; 3248; 3769; 4222; 4722
Lsp1109I	!NNNNNNNNNNNNNGCTGC	8	940; 1565; 2415; 3080; 3264; 3357; 4423; 4629
LweI	GCATCNNNNN!	7	848; 1949; 2712; 2784; 3432; 3496; 3771
LweI	!NNNNNNNNNGATGC	7	357; 1001; 1169; 3091; 3346; 3562; 4954
MabI	A!CCWGGT	1	2722
MaeI	C!TAG	10	592; 1289; 1672; 1781; 1982; 2400; 2956; 3971; 4305; 4558
MaeII	A!CGT	16	122; 134; 175; 258; 339; 444; 968; 1244; 2193; 2205; 2248; 2358; 3249; 3436; 4217; 4350
MaeIII	!GTNAC	15	61; 148; 497; 891; 1644; 1650; 1921; 2422; 2434; 3253; 3559; 4249; 4515; 4631; 4694
MalI	GA!TC	27	587; 976; 1126; 1152; 1326; 1564; 1604; 1714; 1770; 1779; 1792; 2972; 2976; 2995; 3306; 3384; 3465; 3474; 3552; 3928; 3944; 4303; 4315; 4393; 4401; 4412; 4487
MaqI	CRTTGACNNNNNNNNNNNNNNNNNNNNNN!	4	144; 197; 466; 540
MaqI	!NNNNNNNNNNNNNNNNNNNNNGTCAAYG	4	157; 240; 426; 1505
MauBI	CG!CGCGCG	0	
MbiI	CCG!CTC	2	2557; 3746
MbiI	GAG!CGG	2	2393; 3800
MboI	!GATC	27	585; 974; 1124; 1150; 1324; 1562; 1602; 1712; 1768; 1777; 1790; 2970; 2974; 2993; 3304; 3382; 3463; 3472; 3550; 3926; 3942; 4301; 4313; 4391; 4399; 4410; 4485
MboII	GAAGANNNNNNNN!	10	916; 1029; 1149; 1217; 1467; 2389; 2617; 3494; 3704; 4323
MboII	!NNNNNNNTCTTC	5	1597; 3784; 3951; 4151; 4394
McaTI	GCGC!GC	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MfeI	C!AATTG	1	1883
MflI	R!GATCY	13	585; 1150; 1324; 1602; 1768; 1777; 3304; 3550; 3942; 4301; 4313; 4399; 4410
MhII	GDGCH!C	15	667; 694; 727; 1304; 1335; 1621; 1632; 2324; 3079; 3172; 3246; 3436; 3498; 4208; 4741
MIsI	TGG!CCA	2	1270; 3215
MluI	A!CGCGT	1	2019
MluNI	TGG!CCA	2	1270; 3215
MlyI	GAGTCNNNNN!	3	899; 2185; 2617
MlyI	!NNNNNGACTC	7	404; 1313; 1417; 1564; 2192; 3798; 4675
Mly113I	GG!CGCC	1	3133
MmeI	TCCRACNNNNNNNNNNNNNNNNNNNN!	2	1022; 2226
MmeI	!NNNNNNNNNNNNNNNNNGTYGGA	2	4658; 4842
MnII	CCTCNNNNNNN!	15	773; 952; 967; 1050; 1183; 1294; 1440; 1749; 1852; 2916; 3734; 3940; 4254; 4624; 4948
MnII	!NNNNNGAGG	24	541; 654; 693; 714; 747; 864; 973; 1029; 1218; 1251; 1476; 1618; 1812; 2277; 2608; 2886; 2929; 2944; 2984; 3048; 3184; 3541; 3971; 4874
Mph1103I	ATGCA!T	3	2705; 2777; 5108
MreI	CG!CCGGCG	0	
MroI	T!CCGGA	1	1315
MroNI	G!CCGGC	3	2350; 3633; 3916
MroXI	GAANN!NNTTC	1	1459
MscI	TGG!CCA	2	1270; 3215
MseI	T!TAA	18	7; 629; 854; 1310; 1834; 1895; 2016; 2037; 2048; 2060; 2071; 2088; 2186; 2457; 4276; 4290; 4295; 4347
MslI	CAYNN!NNRTG	4	365; 613; 643; 3570
MspI	C!CGG	25	601; 1184; 1316; 1349; 1451; 1509; 1566; 1622; 1775; 2351; 3038; 3115; 3137; 3165; 3296; 3386; 3453; 3634; 3909; 3917; 4009; 4483; 4673; 4699; 4846
Msp20I	TGG!CCA	2	1270; 3215
MspA1I	CMG!CKG	6	1063; 1480; 2631; 3239; 4468; 4713
MspCI	C!TTAAG	0	
MspJI	CNNRRNNNNNNNNN!	261	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; 633; 651; 669; 699; 717; 732; 747; 765; 798; 813; 841; 856; 880; 893; 909; 927; 941; 957; 970; 984; 1005; 1018; 1039; 1058; 1072; 1086; 1100; 1117; 1134; 1155; 1174; 1188; 1215; 1233; 1253; 1267; 1283; 1300; 1315; 1328; 1342; 1356; 1373; 1387; 1403; 1422; 1437; 1462; 1489; 1506; 1521; 1546; 1560; 1578; 1594; 1621; 1634; 1668; 1684; 1701; 1714; 1731; 1754; 1769; 1787; 1801; 1816; 1840; 1857; 1870; 1911; 1925; 1938; 1956; 1994; 2009; 2027; 2068; 2092; 2112; 2130; 2151; 2174; 2206; 2221; 2243; 2261; 2274; 2295; 2312; 2325; 2338; 2354; 2367; 2397; 2412; 2437; 2455; 2468; 2483; 2507; 2521; 2545; 2570; 2586; 2624; 2640; 2679; 2693; 2707; 2735; 2751; 2765; 2779; 2808; 2821; 2842; 2851; 2873; 2903; 2919; 2937; 2967; 2990; 3014; 3038; 3057; 3085; 3111; 3127; 3140; 3163; 3177; 3197; 3210; 3224; 3243; 3257; 3270; 3286; 3301; 3314; 3330; 3345; 3361; 3386; 3405; 3421; 3434; 3447; 3465; 3479; 3493; 3509; 3531; 3547; 3566; 3588; 3604; 3627; 3646; 3660; 3676; 3690; 3710; 3726; 3739; 3761; 3794; 3808; 3828; 3841; 3855; 3909; 3922; 3945; 3958; 3977; 3994; 4021; 4057; 4090; 4109; 4134; 4155; 4182; 4195; 4212; 4226; 4241; 4257; 4317; 4342; 4358; 4380; 4393; 4407; 4438; 4452; 4477; 4495; 4510; 4523; 4542; 4555; 4570; 4599; 4618; 4636; 4661; 4676; 4695; 4711; 4730; 4748; 4764; 4778; 4797; 4824; 4847; 4869; 4888; 4903; 4916; 4933; 4953; 4980; 4993; 5012; 5037; 5060; 5074; 5087; 5104

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MspJI	!NNNNNNNNNNNNNNYNGG	213	8; 35; 59; 76; 97; 123; 145; 168; 197; 221; 269; 281; 310; 330; 347; 377; 400; 437; 465; 492; 511; 531; 553; 574; 598; 616; 643; 673; 697; 715; 739; 758; 780; 820; 841; 867; 887; 916; 958; 992; 1013; 1033; 1060; 1078; 1095; 1113; 1141; 1162; 1181; 1207; 1229; 1252; 1275; 1301; 1322; 1363; 1381; 1398; 1418; 1436; 1459; 1480; 1500; 1526; 1544; 1568; 1593; 1642; 1663; 1688; 1705; 1732; 1751; 1785; 1814; 1843; 1885; 1968; 2006; 2030; 2053; 2082; 2126; 2148; 2180; 2216; 2233; 2254; 2291; 2311; 2328; 2345; 2380; 2398; 2416; 2433; 2457; 2479; 2506; 2534; 2560; 2598; 2619; 2636; 2654; 2677; 2698; 2726; 2749; 2770; 2788; 2809; 2826; 2849; 2873; 2893; 2911; 2933; 2964; 2986; 3012; 3031; 3048; 3076; 3095; 3114; 3132; 3150; 3171; 3193; 3217; 3250; 3270; 3288; 3309; 3335; 3362; 3379; 3396; 3413; 3439; 3461; 3483; 3501; 3521; 3540; 3562; 3600; 3620; 3644; 3664; 3684; 3711; 3735; 3768; 3787; 3815; 3837; 3866; 3894; 3919; 3938; 3957; 3978; 3995; 4012; 4043; 4070; 4090; 4113; 4133; 4170; 4187; 4206; 4232; 4252; 4291; 4318; 4337; 4355; 4392; 4410; 4451; 4469; 4495; 4512; 4544; 4573; 4601; 4622; 4645; 4664; 4685; 4703; 4720; 4738; 4764; 4785; 4805; 4825; 4843; 4864; 4890; 4907; 4926; 4945; 4974; 4993; 5011; 5030; 5048; 5066; 5089
MspR9I	CC!NGG	26	90; 283; 787; 835; 931; 946; 1075; 1184; 1350; 1451; 1452; 1495; 1567; 2669; 2724; 2741; 3137; 3297; 3520; 3910; 4099; 4202; 4674; 4892; 4905; 5026
MssI	GTTT!AAAC	0	
MunI	C!AATTG	1	1883
MvaI	CC!WGG	17	90; 283; 787; 835; 931; 946; 1075; 1495; 2669; 2724; 2741; 3520; 4099; 4202; 4892; 4905; 5026
Mva1269I	GAATGCN!	1	1884
Mva1269I	G!CATTC	1	1977
MvnI	CG!CG	16	60; 1402; 2021; 2057; 2433; 2453; 2477; 2508; 3199; 3500; 3938; 4022; 4085; 4154; 4427; 5008
MvrI	CGAT!CG	0	
MwoI	GCNNNNN!NNGC	30	90; 212; 244; 283; 376; 400; 648; 1079; 1093; 1345; 1677; 2360; 2390; 2417; 2459; 2700; 2772; 2823; 2902; 3124; 3208; 3231; 3370; 3493; 3576; 3843; 4030; 4234; 4433; 5005
NaeI	GCC!GGC	3	2352; 3635; 3918
NarI	GG!CGCC	1	3133
NciI	CC!SGG	9	1184; 1350; 1451; 1452; 1567; 3137; 3297; 3910; 4674
NcoI	C!CATGG	5	360; 611; 1343; 2862; 3565
NdeI	CA!TATG	1	234
NdeII	!GATC	27	585; 974; 1124; 1150; 1324; 1562; 1602; 1712; 1768; 1777; 1790; 2970; 2974; 2993; 3304; 3382; 3463; 3472; 3550; 3926; 3942; 4301; 4313; 4391; 4399; 4410; 4485
NgoAVIII	GACNNNNNTGANNNNNNNNNNNN!	1	280
NgoAVIII	!NNNNNNNNNNNTCANNNNNGTC	1	731
NgoAVIII	TCANNNNNGTCNNNNNNNNNNNN!	1	767
NgoAVIII	!NNNNNNNNNNNGACNNNNNTGA	1	244
NgoMIV	G!CCGGC	3	2350; 3633; 3916
NheI	G!CTAGC	1	591
NlaIII	CATG!	25	304; 364; 615; 642; 648; 660; 738; 804; 884; 1095; 1347; 1659; 2563; 2703; 2775; 2866; 3007; 3352; 3538; 3569; 3595; 3951; 4335; 5055; 5106
NlaIV	GGN!NCC	21	467; 666; 726; 1117; 1389; 1546; 1629; 1770; 2288; 2309; 2321; 2512; 2673; 2745; 3134; 3169; 4017; 4096; 4141; 4984; 5023
NlaCI	CATCACNNNNNNNNNNNNNNNNNN!	3	1965; 2280; 3872
NlaCI	!NNNNNNNNNNNNNNNNNGTGATG	3	347; 991; 4944
Nlj3877I	CYCGR!G	2	1332; 1454
NmeAIII	GCCGAGNNNNNNNNNNNNNNNNNN!	2	2922; 3358
NmeAIII	!NNNNNNNNNNNNNNNNNNCTCGGC	2	1007; 2887
NmeDI	RCCGGYNNNNNNN!	6	612; 1520; 2362; 3464; 3645; 3928
NmeDI	!NNNNNNNNNNNNRCCGGY	6	587; 1495; 2337; 3439; 3620; 3903
NmuCI	!GTSAC	6	891; 1644; 1650; 2422; 3253; 3559
NotI	GC!GGCCGC	0	
NruI	TCG!CGA	0	
NsbI	TGC!GCA	1	3235
NsiI	ATGCA!T	3	2705; 2777; 5108
NspI	RCATG!Y	5	642; 2703; 2775; 3538; 5055

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
NspV	TT!CGAA	1	3815
OliI	CACNN!NNGTG	1	613
PabI	GTA!C	12	220; 245; 300; 333; 384; 541; 656; 806; 1058; 1612; 1763; 3440
PacI	TTAAT!TAA	0	
PaeI	GCATG!C	3	2703; 2775; 3538
PaeR7I	C!TCGAG	1	1328
PagI	T!CATGA	2	2559; 4331
PalAI	GG!CGCGCC	0	
PasI	CC!CWGGG	3	834; 4098; 4201
PauI	G!CGCGC	0	
PceI	AGG!CCT	2	1039; 2954
PciI	A!CATGT	1	5051
PciSI	GCTCTCN!	0	
PciSI	!NNNNGAAGAGC	2	3477; 3687
PcsI	WCGNNNN!NNNCGW	9	1253; 1364; 1406; 3427; 3504; 3747; 3821; 4214; 4732
PctI	GAATGCN!	1	1884
PctI	G!CATTC	1	1977
PdiI	GCC!GGC	3	2352; 3635; 3918
PdmI	GAANN!NNTTC	1	1459
PfeI	G!AWTC	7	740; 1217; 3618; 3752; 3862; 3899; 5077
Pfl23II	C!GTACG	0	
PfIFI	GACN!NNGTC	1	3251
PfIMI	CCANNNN!NTGG	0	
PfoI	T!CCNGGA	3	944; 1565; 3908
PhoI	GG!CC	32	84; 277; 761; 1004; 1039; 1073; 1096; 1118; 1228; 1270; 1348; 1405; 1441; 1547; 1738; 2099; 2241; 2896; 2902; 2911; 2954; 3041; 3215; 3606; 3633; 4142; 4199; 4232; 4577; 5011; 5029; 5040
PinAI	A!CCGGT	2	600; 1508
PlaDI	CATCAGNNNNNNNNNNNNNNNNNNNNNNNN!	1	3514
PlaDI	!NNNNNNNNNNNNNNNNNNNNNNNNCTGATG	3	1661; 3079; 3334
PleI	GAGTCNNNN!	3	898; 2184; 2616
PleI	!NNNNNGACTC	7	404; 1313; 1417; 1564; 2192; 3798; 4675
Ple19I	CGAT!CG	0	
PmaCI	CAC!GTG	0	
PmeI	GTTT!AAAC	0	
PmlI	CAC!GTG	0	
PpiI	GAACNNNNNCTCNNNNNNNNNNNNNNNN!	1	2215
PpiI	!NNNNNNNNNGAGNNNNNGTTC	1	4345
PpiI	GAGNNNNNGTTCNNNNNNNNNNNNNNNN!	1	4377
PpiI	!NNNNNNNGAACNNNNNCTC	1	2183
PpsI	GAGTCNNNN!	3	898; 2184; 2616
PpsI	!NNNNNGACTC	7	404; 1313; 1417; 1564; 2192; 3798; 4675
Ppu10I	A!TGCAT	3	2701; 2773; 5104
Ppu21I	YAC!GTR	3	340; 2249; 3437
PpuMI	RG!GWCCY	1	1388
PscI	A!CATGT	1	5051
PshAI	GACNN!NNGTC	2	1243; 1672
PshBI	AT!TAAT	1	7
PsiI	TTA!TAA	2	1916; 2121
Psp03I	GGWC!C	3	1391; 3652; 4097
Psp5II	RG!GWCCY	1	1388
Psp6I	!CCWGG	17	88; 281; 785; 833; 929; 944; 1073; 1493; 2667; 2722; 2739; 3518; 4097; 4200; 4890; 4903; 5024
Psp1406I	AA!CGTT	0	
Psp124BI	GAGCT!C	1	1335
PspCI	CAC!GTG	0	
PspEI	G!GTNACC	0	
PspGI	!CCWGG	17	88; 281; 785; 833; 929; 944; 1073; 1493; 2667; 2722; 2739; 3518; 4097; 4200; 4890; 4903; 5024
PspLI	C!GTACG	0	
PspN4I	GGN!NCC	21	467; 666; 726; 1117; 1389; 1546; 1629; 1770; 2288; 2309; 2321; 2512; 2673; 2745; 3134; 3169; 4017; 4096; 4141; 4984; 5023
PspOMI	G!GGCCC	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
PspOMII	CGCCCARNNNNNNNNNNNNNNNNNNNNNN!	3	125; 2863; 3862
PspOMII	!NNNNNNNNNNNNNNNNNNNYTGGGCG	1	3265
PspPI	G!GNCC	15	83; 276; 760; 1003; 1095; 1116; 1388; 1439; 1545; 2240; 3649; 4094; 4140; 4198; 4231
PspPPI	RG!GWCCY	1	1388
PspPRI	CCYCAGNNNNNNNNNNNNNNNNNN!	3	2686; 2758; 4264
PspPRI	!NNNNNNNNNNNNNNNNCTGRGG	5	855; 1283; 1467; 2599; 3794
PspXI	VC!TCGAGB	0	
PsrI	GAACNNNNNNNTACNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGTANNNNNNGTTC	0	
PsrI	GTANNNNNNGTTCNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGAACNNNNNNNTAC	0	
PssI	RGGNC!CY	2	1391; 4234
PstI	CTGCA!G	0	
PstNI	CAGNNN!CTG	3	1277; 4234; 4642
PsuI	R!GATCY	13	585; 1150; 1324; 1602; 1768; 1777; 3304; 3550; 3942; 4301; 4313; 4399; 4410
PsyI	GACN!NNGTC	1	3251
PteI	G!CGCGC	0	
PvuI	CGAT!CG	0	
PvuII	CAG!CTG	3	1480; 2631; 3239
RcaI	T!CATGA	2	2559; 4331
RceI	CATCGACNNNNNNNNNNNNNNNNNNNN!	2	1391; 3648
RceI	!NNNNNNNNNNNNNNNNNGTCGATG	0	
RgaI	GCGAT!CGC	0	
RigI	GGCCGG!CC	0	
RleAI	CCCACANNNNNNNNNNNNNN!	1	1862
RleAI	!NNNNNNNNNTGTGGG	0	
RpaBI	CCCGCAGNNNNNNNNNNNNNNNNNNNN!	0	
RpaBI	!NNNNNNNNNNNNNNNNNNCTGCGGG	0	
RpaB5I	CGRGGACNNNNNNNNNNNNNNNNNNNN!	0	
RpaB5I	!NNNNNNNNNNNNNNNNNGTCCYCG	1	1428
RruI	TCG!CGA	0	
RsaI	GT!AC	12	219; 244; 299; 332; 383; 540; 655; 805; 1057; 1611; 1762; 3439
RsaNI	G!TAC	12	218; 243; 298; 331; 382; 539; 654; 804; 1056; 1610; 1761; 3438
RseI	CAYNN!NNRTG	4	365; 613; 643; 3570
RsrII	CG!GWCCG	1	3649
Rsr2I	CG!GWCCG	1	3649
SacI	GAGCT!C	1	1335
SacII	CCGC!GG	0	
SalI	G!TCGAC	0	
SapI	GCTCTCN!	0	
SapI	!NNNNGAAGAGC	2	3477; 3687
SaqAI	T!TAA	18	7; 629; 854; 1310; 1834; 1895; 2016; 2037; 2048; 2060; 2071; 2088; 2186; 2457; 4276; 4290; 4295; 4347
SatI	GC!NGC	37	759; 810; 954; 1071; 1252; 1403; 1442; 1579; 1750; 1910; 2429; 2451; 2465; 2903; 3042; 3094; 3105; 3195; 3200; 3237; 3278; 3365; 3368; 3371; 3607; 3703; 3744; 3758; 3872; 4211; 4226; 4437; 4643; 4646; 4711; 4854; 5009
Sau96I	G!GNCC	15	83; 276; 760; 1003; 1095; 1116; 1388; 1439; 1545; 2240; 3649; 4094; 4140; 4198; 4231
Sau3AI	!GATC	27	585; 974; 1124; 1150; 1324; 1562; 1602; 1712; 1768; 1777; 1790; 2970; 2974; 2993; 3304; 3382; 3463; 3472; 3550; 3926; 3942; 4301; 4313; 4391; 4399; 4410; 4485
SbfI	CCTGCA!GG	0	
ScaI	AGT!ACT	1	1762
SchI	GAGTCNNNNN!	3	899; 2185; 2617
SchI	!NNNNNGACTC	7	404; 1313; 1417; 1564; 2192; 3798; 4675
SciI	CTC!GAG	1	1330
ScrFI	CC!NGG	26	90; 283; 787; 835; 931; 946; 1075; 1184; 1350; 1451; 1452; 1495; 1567; 2669; 2724; 2741; 3137; 3297; 3520; 3910; 4099; 4202; 4674; 4892; 4905; 5026
SdaI	CCTGCA!GG	0	
SdeAI	CAGRAGNNNNNNNNNNNNNNNNNNNN!	6	1041; 1229; 2711; 2783; 2952; 4894

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SdeAI	!NNNNNNNNNNNNNNNNNNNNCTYCTG	2	3288; 3773
SdeOSI	GACNNNNRTGANNNNNNNNNNN!	1	279
SdeOSI	!NNNNNNNNNNNTCAYNNNNNGTC	0	
SdeOSI	TCAYNNNNNGTCNNNNNNNNNNNN!	0	
SdeOSI	!NNNNNNNNNNNGACNNNNRTGA	1	245
SduI	GDGCH!C	15	667; 694; 727; 1304; 1335; 1621; 1632; 2324; 3079; 3172; 3246; 3436; 3498; 4208; 4741
SelI	!CGCG	16	58; 1400; 2019; 2055; 2431; 2451; 2475; 2506; 3197; 3498; 3936; 4020; 4083; 4152; 4425; 5006
SetI	ASST!	70	125; 137; 178; 261; 308; 342; 447; 552; 568; 626; 653; 799; 820; 971; 1106; 1124; 1175; 1243; 1247; 1262; 1286; 1335; 1341; 1393; 1462; 1482; 1487; 1639; 1698; 1748; 1823; 1844; 1853; 1865; 1914; 2081; 2196; 2208; 2251; 2288; 2338; 2361; 2485; 2633; 2728; 2921; 3034; 3162; 3241; 3252; 3324; 3395; 3439; 3699; 3845; 3889; 4220; 4251; 4310; 4353; 4496; 4517; 4616; 4753; 4768; 4787; 4799; 4843; 4889; 4940
SexAI	A!CCWGGT	1	2722
SfaAI	GCGAT!CGC	0	
SfaNI	GCATCNNNNN!	7	848; 1949; 2712; 2784; 3432; 3496; 3771
SfaNI	!NNNNNNNNNGATGC	7	357; 1001; 1169; 3091; 3346; 3562; 4954
SfcI	C!TRYAG	3	2468; 4595; 4786
SfiI	GGCCNNNN!NGGCC	1	2908
SfoI	GGC!GCC	1	3134
Sfr274I	C!TCGAG	1	1328
Sfr303I	CCGC!GG	0	
SfuI	TT!CGAA	1	3815
SgeI	CNNGNNNNNNNNN!	203	6; 36; 71; 97; 123; 223; 236; 252; 290; 307; 336; 373; 407; 426; 491; 548; 579; 604; 624; 651; 669; 699; 723; 741; 756; 798; 813; 846; 880; 893; 921; 942; 957; 984; 1018; 1039; 1059; 1072; 1086; 1104; 1117; 1134; 1167; 1188; 1222; 1260; 1283; 1301; 1328; 1342; 1356; 1398; 1413; 1431; 1449; 1462; 1489; 1506; 1521; 1552; 1578; 1594; 1626; 1668; 1684; 1714; 1731; 1758; 1787; 1840; 1869; 1911; 1994; 2032; 2068; 2152; 2174; 2206; 2243; 2261; 2280; 2295; 2337; 2354; 2371; 2406; 2420; 2437; 2459; 2483; 2507; 2572; 2586; 2624; 2640; 2680; 2693; 2712; 2735; 2752; 2765; 2784; 2814; 2835; 2852; 2875; 2910; 2937; 2968; 2990; 3016; 3038; 3057; 3085; 3121; 3140; 3163; 3177; 3197; 3210; 3224; 3243; 3257; 3276; 3308; 3322; 3335; 3361; 3392; 3405; 3422; 3439; 3453; 3470; 3488; 3503; 3531; 3547; 3566; 3588; 3604; 3627; 3646; 3671; 3690; 3710; 3737; 3761; 3794; 3813; 3841; 3855; 3921; 3945; 3960; 3983; 4004; 4021; 4069; 4096; 4110; 4139; 4163; 4196; 4213; 4233; 4246; 4259; 4317; 4344; 4363; 4393; 4418; 4438; 4452; 4477; 4495; 4532; 4570; 4599; 4627; 4641; 4661; 4676; 4697; 4711; 4730; 4748; 4764; 4804; 4824; 4851; 4869; 4890; 4903; 4916; 4933; 4957; 4980; 5012; 5037; 5064; 5086
SgeI	!NNNNNNNNNNNNNCNNG	178	10; 45; 71; 97; 197; 226; 264; 281; 310; 347; 381; 400; 465; 522; 553; 578; 598; 625; 643; 673; 697; 715; 739; 772; 820; 854; 895; 916; 958; 992; 1013; 1033; 1060; 1078; 1099; 1120; 1141; 1162; 1196; 1234; 1257; 1275; 1302; 1322; 1372; 1405; 1423; 1463; 1480; 1500; 1526; 1552; 1573; 1600; 1642; 1663; 1688; 1705; 1732; 1761; 1814; 1843; 1885; 1968; 2006; 2042; 2126; 2148; 2180; 2217; 2235; 2254; 2311; 2328; 2345; 2380; 2398; 2418; 2438; 2457; 2481; 2546; 2598; 2654; 2686; 2709; 2726; 2758; 2788; 2809; 2826; 2849; 2884; 2911; 2942; 2964; 2990; 3012; 3031; 3059; 3095; 3114; 3137; 3158; 3176; 3193; 3217; 3250; 3282; 3309; 3335; 3366; 3396; 3413; 3439; 3462; 3483; 3505; 3525; 3545; 3562; 3601; 3620; 3645; 3664; 3684; 3711; 3735; 3768; 3787; 3815; 3837; 3895; 3919; 3938; 3957; 3978; 3995; 4043; 4070; 4090; 4113; 4137; 4170; 4187; 4207; 4233; 4291; 4318; 4337; 4367; 4392; 4412; 4451; 4469; 4506; 4544; 4573; 4610; 4622; 4650; 4671; 4704; 4722; 4778; 4798; 4825; 4843; 4864; 4890; 4907; 4931; 4954; 4986; 5011; 5038; 5060; 5089
SgfI	GCGAT!CGC	0	
SgrAI	CR!CCGGYG	0	
SgrBI	CCGC!GG	0	
SgrDI	CG!TCGACG	0	
SgsI	GG!CGCGCC	0	
SimI	GG!GTC	4	27; 2280; 4067; 4860

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SimI	!GACCC	5	106; 1049; 3561; 4129; 4377
SinI	G!GWCC	3	1388; 3649; 4094
SlaI	C!TCGAG	1	1328
SmaI	CCC!GGG	1	1452
SmiI	ATTT!AAAT	0	
SmiMI	CAYNN!NNRTG	4	365; 613; 643; 3570
SmlI	C!TYRAG	7	1174; 1328; 1334; 3524; 4406; 4683; 4945
SmoI	C!TYRAG	7	1174; 1328; 1334; 3524; 4406; 4683; 4945
SmuI	CCCGCNNNN!	10	93; 119; 286; 1068; 1170; 2455; 2810; 2831; 4027; 4159
SmuI	!NNNNNNGCGGG	6	1105; 2386; 3256; 3793; 3931; 4078
SnaBI	TAC!GTA	1	340
SpeI	A!CTAGT	0	
SphI	GCATG!C	3	2703; 2775; 3538
SrfI	GCCC!GGGC	0	
Sse9I	!AATT	12	18; 1311; 1591; 1883; 1947; 2025; 2051; 2062; 2709; 2781; 2873; 4291
Sse8387I	CCTGCA!GG	0	
Sse8647I	AG!GWCCCT	0	
SseBI	AGG!CCT	2	1039; 2954
SsiI	C!CGC	35	58; 86; 98; 112; 279; 507; 589; 923; 1061; 1163; 1442; 2448; 2451; 2465; 2555; 2803; 2815; 2824; 2836; 2846; 2857; 2903; 3042; 3105; 3607; 3652; 3718; 3744; 3869; 3872; 4020; 4152; 4459; 4603; 5099
SsiI	G!CGG	30	370; 403; 528; 748; 758; 1070; 1112; 1381; 1402; 1749; 2393; 2420; 2508; 2618; 3199; 3263; 3364; 3367; 3647; 3702; 3800; 3938; 4085; 4225; 4468; 4713; 4834; 4853; 4980; 5008
SspI	AAT!ATT	2	2041; 2594
SspDI	G!GCGCC	1	3132
SspD5I	GGTGANNNNNNNN!	5	376; 627; 996; 4204; 4320
SspD5I	!NNNNNNNNNTCACC	5	884; 1643; 1734; 2249; 3310
SstI	GAGCT!C	1	1335
SstII	CCGC!GG	0	
SstE37I	CGAAGACNNNNNNNNNNNNNNNNNNNN!	1	929
SstE37I	!NNNNNNNNNNNNNNNNNGTCTTCG	0	
Sth132I	CCCGNNNN!	20	92; 118; 285; 851; 1067; 1169; 1190; 1457; 2332; 2454; 2809; 2830; 3143; 3546; 3685; 3756; 4026; 4158; 4388; 4826
Sth132I	!NNNNNNNNCGGG	25	15; 407; 470; 900; 1104; 1341; 1377; 1443; 1558; 1578; 2333; 2385; 2486; 3213; 3255; 3288; 3792; 3901; 3930; 4077; 4181; 4212; 4665; 4709; 4917
Sth302II	CC!GG	25	602; 1185; 1317; 1350; 1452; 1510; 1567; 1623; 1776; 2352; 3039; 3116; 3138; 3166; 3297; 3387; 3454; 3635; 3910; 3918; 4010; 4484; 4674; 4700; 4847
StrI	C!TCGAG	1	1328
StsI	GGATGNNNNNNNNNN!	4	3001; 3458; 3483; 3937
StsI	!NNNNNNNNNNNNNNCATCC	5	680; 768; 825; 980; 2805
StuI	AGG!CCT	2	1039; 2954
StyI	C!CWWGG	7	360; 611; 1343; 2862; 2955; 3565; 3970
StyD4I	!CCNGG	26	88; 281; 785; 833; 929; 944; 1073; 1182; 1348; 1449; 1450; 1493; 1565; 2667; 2722; 2739; 3135; 3295; 3518; 3908; 4097; 4200; 4672; 4890; 4903; 5024
SwaI	ATTT!AAAT	0	
TaaI	ACN!GT	16	76; 198; 269; 543; 581; 669; 1650; 1705; 2224; 3513; 3629; 3737; 4060; 4551; 5021; 5092
TaiI	ACGT!	16	125; 137; 178; 261; 342; 447; 971; 1247; 2196; 2208; 2251; 2361; 3252; 3439; 4220; 4353
TaqI	T!CGA	16	752; 779; 1247; 1329; 1367; 2282; 2973; 3246; 3402; 3426; 3462; 3624; 3815; 3860; 4115; 4953
TaqII	GACCGANNNNNNNNNN!	3	2153; 3170; 3838
TaqII	!NNNNNNNNNTCGGTC	1	4082
TaqII	CACCCANNNNNNNNNN!	2	742; 847
TaqII	!NNNNNNNNNTGGGTG	3	172; 3037; 3629
TasI	!AATT	12	18; 1311; 1591; 1883; 1947; 2025; 2051; 2062; 2709; 2781; 2873; 4291
TatI	W!GTACW	6	217; 297; 330; 381; 653; 1760
TauI	GCSG!C	20	761; 1073; 1405; 1444; 1752; 2453; 2467; 2905; 3044; 3107; 3202; 3367; 3370; 3609; 3705; 3746; 3874; 4228; 4856; 5011
TfiI	G!AWTC	7	740; 1217; 3618; 3752; 3862; 3899; 5077

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
TliI	C!TCGAG	1	1328
TruI	T!TAA	18	7; 629; 854; 1310; 1834; 1895; 2016; 2037; 2048; 2060; 2071; 2088; 2186; 2457; 4276; 4290; 4295; 4347
Tru9I	T!TAA	18	7; 629; 854; 1310; 1834; 1895; 2016; 2037; 2048; 2060; 2071; 2088; 2186; 2457; 4276; 4290; 4295; 4347
TscAI	CASTGNN!	7	1580; 1653; 1979; 3262; 4372; 4643; 4656
TseI	G!CWGC	17	809; 953; 1251; 1578; 1909; 2428; 3093; 3194; 3236; 3277; 3370; 3757; 4210; 4436; 4642; 4645; 4710
TsoI	TARCCANNNNNNNNNNN!	3	621; 2105; 2452
TsoI	!NNNNNNNNNTGGYTA	3	778; 1910; 3662
Tsp45I	!GTSAC	6	891; 1644; 1650; 2422; 3253; 3559
Tsp509I	!AATT	12	18; 1311; 1591; 1883; 1947; 2025; 2051; 2062; 2709; 2781; 2873; 4291
TspDTI	ATGAANNNNNNNNNNN!	5	661; 1745; 1891; 3192; 3896
TspDTI	!NNNNNNNNNTTCAT	6	26; 789; 810; 3610; 4066; 4273
TspEI	!AATT	12	18; 1311; 1591; 1883; 1947; 2025; 2051; 2062; 2709; 2781; 2873; 4291
TspGWI	ACGGANNNNNNNNNNN!	1	4008
TspGWI	!NNNNNNNNNTCCGT	1	1422
TspMI	C!CCGGG	1	1450
TspRI	CASTGNN!	7	1580; 1653; 1979; 3262; 4372; 4643; 4656
TstI	CACNNNNNTCCNNNNNNNNNN!	0	
TstI	!NNNNNNNGGANNNNNNGTG	0	
TstI	GGANNNNNGTGNNNNNNNNNN!	0	
TstI	!NNNNNNNCCACNNNNNTCC	0	
Tth111I	GACN!NNGTC	1	3251
Tth111II	CAARCANNNNNNNNNNN!	1	4460
Tth111III	!NNNNNNNNNTGYTTG	3	3568; 4428; 4467
UnbI	!GGNCC	15	82; 275; 759; 1002; 1094; 1115; 1387; 1438; 1544; 2239; 3648; 4093; 4139; 4197; 4230
Van9II	CCANNNN!NTGG	0	
Vha464I	C!TTAAG	0	
VneI	G!TGCAC	2	690; 4737
VpaK11AI	!GGWCC	3	1387; 3648; 4093
VpaK11BI	G!GWCC	3	1388; 3649; 4094
VspI	AT!TAAT	1	7
XagI	CCTNN!NNNAGG	0	
XapI	R!AATTY	4	1591; 1947; 2051; 2062
XbaI	T!CTAGA	1	1780
XceI	RCATG!Y	5	642; 2703; 2775; 3538; 5055
XcmI	CCANNNNN!NNNTGG	0	
XhoI	C!TCGAG	1	1328
XhoII	R!GATCY	13	585; 1150; 1324; 1602; 1768; 1777; 3304; 3550; 3942; 4301; 4313; 4399; 4410
XmaI	C!CCGGG	1	1450
XmaJI	C!CTAGG	2	2955; 3970
XmiI	GT!MKAC	1	1190
XmnI	GAANN!NNTTC	1	1459
XspI	C!TAG	10	592; 1289; 1672; 1781; 1982; 2400; 2956; 3971; 4305; 4558
ZraI	GAC!GTC	4	123; 176; 259; 445
ZrmI	AGT!ACT	1	1762
Zsp2I	ATGCA!T	3	2705; 2777; 5108