

## pFusionRed-Rab5a vector

### Table of restriction sites

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AanI	TTA!TAA	2	2138; 2343
AarI	CACCTGCNNNN!	0	
AarI	!NNNNNNNNGCAGGTG	0	
AasI	GACNNNN!NNGTC	3	2426; 3382; 5171
AatI	AGG!CCT	2	1039; 3176
AatII	GACGT!C	4	125; 178; 261; 447
AbsI	CC!TCGAGG	0	
AccI	GT!MKAC	2	1190; 1937
AccII	CG!CG	15	60; 2243; 2279; 2655; 2675; 2699; 2730; 3421; 3722; 4160; 4244; 4307; 4376; 4649; 5230
AccIII	T!CCGGA	1	1321
Acc16I	TGC!GCA	1	3457
Acc36I	ACCTGCNNNN!	2	3623; 4073
Acc36I	!NNNNNNNNGCAGGT	1	3242
Acc65I	G!GTACC	0	
AccB1I	G!GYRCC	6	465; 664; 724; 2508; 3354; 3389
AccB7I	CCANNNN!NTGG	3	1209; 1381; 1679
AccBSI	CCG!CTC	2	2779; 3968
AccBSI	GAG!CGG	2	2615; 4022
AceIII	CAGCTCNNNNNNN!	1	2311
AceIII	!NNNNNNNNNNNGAGCTG	3	552; 610; 1751
AciI	C!CGC	34	58; 86; 98; 112; 279; 507; 589; 923; 1061; 1163; 2670; 2673; 2687; 2777; 3025; 3037; 3046; 3058; 3068; 3079; 3125; 3264; 3327; 3829; 3874; 3940; 3966; 4091; 4094; 4242; 4374; 4681; 4825; 5321
AciI	G!CGG	26	370; 403; 528; 758; 1070; 1112; 2615; 2642; 2730; 2840; 3421; 3485; 3586; 3589; 3869; 3924; 4022; 4160; 4307; 4447; 4690; 4935; 5056; 5075; 5202; 5230
AclI	AA!CGTT	0	
AclWI	GGATCNNNN!	9	1998; 2007; 3223; 3534; 3780; 4172; 4531; 4629; 4715
AclWI	!NNNNNGATCC	7	580; 1145; 1985; 3599; 4143; 4530; 4627
AccI	Y!GGCCR	5	1268; 3261; 3435; 3826; 3853
AcsI	R!AATY	5	1480; 1914; 2169; 2273; 2284
AcuI	CTGAAGNNNNNNNNNNNNNNN!	3	1120; 3501; 3933
AcuI	!NNNNNNNNNNNNNCTTCAG	2	1678; 4731
AcvI	CAC!GTG	0	
AcyI	GR!CGYC	8	122; 175; 258; 444; 1187; 3355; 4057; 4136
AdeI	CACNNN!GTG	2	1260; 2471
AfaI	GT!AC	13	219; 244; 299; 332; 383; 540; 655; 805; 1057; 1412; 1494; 1606; 3661
AfeI	AGC!GCT	1	596
AfiI	CCNNNNN!NNGG	22	49; 721; 1000; 1066; 1209; 1381; 1679; 2367; 2693; 3085; 3336; 3880; 4161; 4193; 4325; 4360; 4410; 4442; 4795; 5074; 5240; 5258
AfIII	C!TTAAG	0	
AfIII	A!CRYGT	2	2241; 5273
AgeI	A!CCGGT	1	600
AgsI	TTS!AA	9	687; 1404; 1486; 1555; 2766; 2810; 2820; 3233; 4809
AhdI	GACNNN!NNGTC	0	
AhlI	A!CTAGT	1	1407
AjiI	CAC!GTC	0	
AjiI	GAC!GTG	0	
AjnI	!CCWGG	18	88; 281; 785; 929; 944; 1073; 1775; 1905; 1963; 2889; 2944; 2961; 3740; 4319; 4422; 5112; 5125; 5246
AjuI	GAANNNNNNNTTGGNNNNNNNNNNN!	0	
AjuI	!NNNNNNCCAANNNNNNNTTC	0	
AjuI	CCAANNNNNNNTTCNNNNNNNNNNN!	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	2929; 3001
AlfI	!NNNNNNNNNNGCANNNNNTGC	2	2895; 2967
AloI	GAACNNNNNTCCNNNNNNNNNNNN!	1	2437
AloI	!NNNNNNNGGANNNNNGTTC	0	
AloI	GGANNNNNGTTCNNNNNNNNNNNN!	0	
AloI	!NNNNNNNGAACNNNNNTCC	1	2405
AluI	AG!CT	22	566; 624; 651; 797; 1104; 1570; 1592; 1726; 1765; 1831; 1873; 2134; 2301; 2558; 2853; 3141; 3461; 3919; 4716; 4973; 5019; 5109
AluBI	AG!CT	22	566; 624; 651; 797; 1104; 1570; 1592; 1726; 1765; 1831; 1873; 2134; 2301; 2558; 2853; 3141; 3461; 3919; 4716; 4973; 5019; 5109
AlwI	GGATCNNNN!	9	1998; 2007; 3223; 3534; 3780; 4172; 4531; 4629; 4715
AlwI	!NNNNNGATCC	7	580; 1145; 1985; 3599; 4143; 4530; 4627
Alw21I	GWGCW!C	5	694; 1620; 3468; 3658; 4963
Alw26I	GTCTCN!	1	434
Alw26I	!NNNNNGAGAC	8	1042; 1132; 1231; 1816; 2779; 3197; 4216; 4344
Alw44I	G!TGCAC	2	690; 4959
AlwNI	CAGNNN!CTG	2	4456; 4864
Ama87I	C!YCGRG	1	1334
Aor13HI	T!CCGGA	1	1321
Aor51HI	AGC!GCT	1	596
ApaI	GGGCC!C	0	
ApaBI	GCANNNNN!TGC	4	1919; 2923; 2995; 4457
ApaLI	G!TGCAC	2	690; 4959
ApeKI	G!CWGC	19	809; 953; 1251; 1504; 1624; 1956; 2131; 2650; 3315; 3416; 3458; 3499; 3592; 3979; 4432; 4658; 4864; 4867; 4932
ApoI	R!AATTY	5	1480; 1914; 2169; 2273; 2284
ApyPI	ATCGACNNNNNNNNNNNNNNNNNN!	1	3870
ApyPI	!NNNNNNNNNNNNNNNNNGTCGAT	4	1749; 3664; 4317; 5155
AquI	GCCGNACNNNNNNNNNNNNNNNNNN!	1	3754
AquI	!NNNNNNNNNNNNNNNNNGTNCGGC	1	785
AquIII	GAGGAGNNNNNNNNNNNNNNNNNN!	5	1338; 1638; 1679; 1956; 3183
AquIII	!NNNNNNNNNNNNNNNNNCTCCTC	0	
AquIV	GRGGAAGNNNNNNNNNNNNNNNNNN!	1	1950
AquIV	!NNNNNNNNNNNNNNNNNCTCCYC	1	3925
ArsI	GACNNNNNTTYGNNNNNNNNNNNN!	0	
ArsI	!NNNNNNCRAANNNNNNNGTC	2	1512; 1642
ArsI	CRAANNNNNGTCNNNNNNNNNNNN!	2	1544; 1674
ArsI	!NNNNNNNGACNNNNNTTYG	0	
AscI	GG!CGCGCC	0	
AseI	AT!TAAT	1	7
Asi256I	G!ATC	24	586; 1125; 1151; 1331; 1747; 1991; 2000; 2013; 3193; 3197; 3216; 3527; 3605; 3686; 3695; 3773; 4149; 4165; 4524; 4536; 4614; 4622; 4633; 4708
AsiGI	A!CCGGT	1	600
AsiSI	GCGAT!CGC	0	
AspI	GACN!NNGTC	1	3473
Asp700I	GAANN!NNTTC	0	
Asp718I	G!GTACC	0	
AspA2I	C!CTAGG	2	3177; 4192
AspEI	GACNNN!NNGTC	0	
AspLEI	GCG!C	24	597; 1084; 1291; 1357; 2621; 2629; 2655; 2677; 2686; 2699; 2730; 3349; 3357; 3421; 3458; 3724; 3984; 4160; 4246; 4649; 4758; 4932; 5032; 5099
AspS9I	G!GNCC	15	83; 276; 760; 1003; 1095; 1116; 1200; 1372; 1467; 2462; 3871; 4316; 4362; 4420; 4453
AssI	AGT!ACT	1	1412
AsuII	TT!CGAA	1	4037
AsuC2I	CC!SGG	6	836; 1184; 3359; 3519; 4132; 4896
AsuHPI	GGTGANNNNNNNN!	6	376; 627; 996; 1306; 4426; 4542
AsuHPI	!NNNNNNNTCACC	3	885; 2472; 3533
AsuNHI	G!CTAGC	1	591
AvaI	C!YCGRG	1	1334

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AvaII	G!GWCC	3	1200; 3871; 4316
AviII	TGC!GCA	1	3457
AvrII	C!CTAGG	2	3177; 4192
AxyI	CC!TNAGG	3	869; 2835; 4467
BaeI	ACNNNNGTAYCNNNNNNNNNN!	0	
BaeI	!NNNNNNNGRTACNNNNNGT	1	1529
BaeI	GRTACNNNNGTNNNNNNNNNNNN!	1	1562
BaeI	!NNNNNNNNNACNNNNGTAYC	0	
BaeGI	GKGCMI!C	6	667; 694; 727; 3301; 3394; 4963
BalI	TGG!CCA	2	1270; 3437
BamHI	G!GATCC	1	1990
BanI	G!GYRCC	6	465; 664; 724; 2508; 3354; 3389
BanII	GRGCY!C	3	2546; 3720; 4430
BanIII	AT!CGAT	2	1840; 3195
BarI	GAAGNNNNNTACNNNNNNNNNN!	0	
BarI	!NNNNNNNGTANNNNNNCTTC	0	
BarI	GTANNNNNNCTTCNNNNNNNNNN!	0	
BarI	!NNNNNNNGAAGNNNNNTAC	0	
BasI	CCANNNN!NTGG	3	1209; 1381; 1679
BauI	C!ACGAG	3	1255; 4073; 5100
BauI	C!TCGTG	2	1105; 3947
BbeI	GGCG!C	1	3358
Bbr7I	GAAGACNNNNNN!	1	916
Bbr7I	!NNNNNNNNNNNGTCTTC	0	
BbrPI	CAC!GTG	0	
BbsI	GAAGACNN!	1	911
BbsI	!NNNNNGTCTTC	0	
BbuI	GCATG!C	3	2925; 2997; 3760
BbvI	GCAGCNNNNNNNN!	10	821; 1263; 1636; 1968; 2143; 3428; 3470; 3991; 4444; 4944
BbvI	!NNNNNNNNNNNGCTGC	8	940; 1491; 2637; 3302; 3486; 3579; 4645; 4851
Bbv12I	GWGCW!C	5	694; 1620; 3468; 3658; 4963
BbvCI	CC!TCAGC	0	
BbvCI	GC!TGAGG	0	
BccI	CCATCNNNN!	4	2485; 3049; 3575; 4077
BccI	!NNNNNGATGG	4	1291; 2453; 3233; 3661
BceAI	ACGGCNNNNNNNNNN!	6	822; 966; 1017; 1083; 3781; 4268
BceAI	!NNNNNNNNNNNGCCGT	3	2496; 3314; 4773
Bcefi	ACGGCNNNNNNNNNN!	6	822; 966; 1017; 1083; 3781; 4268
Bcefi	!NNNNNNNNNNNGCCGT	3	2497; 3315; 4774
BcgI	CGANNNNNTGCNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNGCANNNNNTCG	0	
BcgI	GCANNNNNTGCNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNCGANNNNNTGC	0	
BciVI	GTATCCNNNNNN!	3	2784; 3574; 5075
BciVI	!NNNNNGGATAC	1	1557
BclI	T!GATCA	1	2012
BcnI	CC!SGG	6	836; 1184; 3359; 3519; 4132; 4896
BcuI	A!CTAGT	1	1407
BdaI	TGANNNNNTCANNNNNNNNNN!	2	2035; 5208
BdaI	!NNNNNNNNNTGANNNNNTCA	2	2001; 5174
BfaI	C!TAG	11	592; 1346; 1408; 1447; 2003; 2204; 2622; 3178; 4193; 4527; 4780
BfiI	ACTGGGNNNNN!	2	1689; 3304
BfiI	!NNNCCCAGT	2	289; 3056
BfmI	C!TRYAG	4	1608; 2690; 4817; 5008
BfoI	RGCG!Y	6	598; 1292; 2622; 2630; 3358; 5033
BfrI	C!TTAAG	0	
BfuI	GTATCCNNNNNN!	3	2784; 3574; 5075
BfuI	!NNNNNGGATAC	1	1557
BfuAI	ACCTGCNNNN!	2	3623; 4073
BfuAI	!NNNNNNNNGCAGGT	1	3242
BfuCI	!GATC	24	585; 1124; 1150; 1330; 1746; 1990; 1999; 2012; 3192; 3196; 3215; 3526; 3604; 3685; 3694; 3772; 4148; 4164; 4523; 4535; 4613; 4621; 4632; 4707
BglI	GCCNNNN!NGGC	5	90; 212; 283; 1079; 3130

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BglII	A!GATCT	1	1330
BisI	GC!NGC	36	759; 810; 954; 1071; 1252; 1505; 1625; 1957; 2132; 2651; 2673; 2687; 3125; 3264; 3316; 3327; 3417; 3422; 3459; 3500; 3587; 3590; 3593; 3829; 3925; 3966; 3980; 4094; 4433; 4448; 4659; 4865; 4868; 4933; 5076; 5231
BlnI	C!CTAGG	2	3177; 4192
BlpI	GC!TNAGC	1	1593
BlsI	GCN!GC	36	760; 811; 955; 1072; 1253; 1506; 1626; 1958; 2133; 2652; 2674; 2688; 3126; 3265; 3317; 3328; 3418; 3423; 3460; 3501; 3588; 3591; 3594; 3830; 3926; 3967; 3981; 4095; 4434; 4449; 4660; 4866; 4869; 4934; 5077; 5232
BmcAI	AGT!ACT	1	1412
Bme18I	G!GWCC	3	1200; 3871; 4316
Bme1390I	CC!NGG	24	90; 283; 787; 836; 931; 946; 1075; 1184; 1777; 1907; 1965; 2891; 2946; 2963; 3359; 3519; 3742; 4132; 4321; 4424; 4896; 5114; 5127; 5248
BmeRI	GACNNN!NNGTC	0	
BmeT110I	C!YCGRG	1	1334
BmgBI	CAC!GTC	0	
BmgBI	GAC!GTG	0	
BmgT120I	GG!NCC	15	84; 277; 761; 1004; 1096; 1117; 1201; 1373; 1468; 2463; 3872; 4317; 4363; 4421; 4454
BmiI	GGN!NCC	19	467; 666; 726; 1117; 1320; 1992; 2510; 2531; 2543; 2734; 2895; 2967; 3356; 3391; 4239; 4318; 4363; 5206; 5245
BmrI	ACTGGGNNNNN!	2	1689; 3304
BmrI	!NNNNCCCAGT	2	289; 3056
BmrFI	CC!NGG	24	90; 283; 787; 836; 931; 946; 1075; 1184; 1777; 1907; 1965; 2891; 2946; 2963; 3359; 3519; 3742; 4132; 4321; 4424; 4896; 5114; 5127; 5248
BmsI	GCATCNNNNN!	7	848; 2171; 2934; 3006; 3654; 3718; 3993
BmsI	!NNNNNNNNNGATGC	7	357; 1001; 1169; 3313; 3568; 3784; 5176
BmtI	GCTAG!C	1	595
BmuI	ACTGGGNNNNN!	2	1689; 3304
BmuI	!NNNNCCCAGT	2	289; 3056
BoxI	GACNN!NNGTC	1	1243
BpiI	GAAGACNN!	1	911
BpiI	!NNNNNNGTCTTC	0	
BpI	GAGNNNNNCTCNNNNNNNNNNNN!	2	3144; 4043
BpI	!NNNNNNNNNGAGNNNNNCTC	2	3112; 4011
BpmI	CTGGAGNNNNNNNNNNNNNNNN!	1	4195
BpmI	!NNNNNNNNNNNNNNNCTCCAG	2	928; 4138
Bpu10I	CC!TNAGC	0	
Bpu10I	GC!TNAGG	0	
Bpu14I	TT!CGAA	1	4037
Bpu1102I	GC!TNAGC	1	1593
BpuAI	GAAGACNN!	1	911
BpuAI	!NNNNNNGTCTTC	0	
BpuEI	CTTGAGNNNNNNNNNNNNNNNN!	3	1156; 4649; 5188
BpuEI	!NNNNNNNNNNNNNNNCTCAAG	3	1159; 3731; 4890
BpuMI	CC!SGG	6	836; 1184; 3359; 3519; 4132; 4896
BpvUI	CGAT!CG	0	
BsaI	GGTCTCN!	0	
BsaI	!NNNNNGAGACC	3	1132; 1231; 4344
Bsa29I	AT!CGAT	2	1840; 3195
BsaAI	YAC!GTR	3	340; 2471; 3659
BsaBI	GATNN!NNATC	2	2017; 3214
BsaHI	GR!CGYC	8	122; 175; 258; 444; 1187; 3355; 4057; 4136
BsaJI	C!CNNGG	19	360; 611; 698; 929; 1340; 2889; 2961; 3084; 3119; 3128; 3177; 3518; 3787; 4192; 4319; 4320; 4422; 4423; 5113
BsaMI	GAATGCN!	1	2106
BsaMI	G!CATTC	1	2199
BsaWI	W!CCGGW	7	600; 1321; 1996; 3386; 4230; 4920; 5067
BsaXI	ACNNNNNCTCCNNNNNNNNNN!	1	2435
BsaXI	!NNNNNNNGGAGNNNNNNGT	0	
BsaXI	GGAGNNNNNGTNNNNNNNNNNNN!	0	
BsaXI	!NNNNNNNNNACNNNNNCTCC	1	2405

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BsbI	CAACACNNNNNNNNNNNNNNNNNNNNNN!	0	
BsbI	!NNNNNNNNNNNNNNNNNNNGTGTG	3	1954; 2356; 4263
Bsc4I	CCNNNNN!NNGG	22	49; 721; 1000; 1066; 1209; 1381; 1679; 2367; 2693; 3085; 3336; 3880; 4161; 4193; 4325; 4360; 4410; 4442; 4795; 5074; 5240; 5258
BscAI	GCATCNNNN!	7	847; 2170; 2933; 3005; 3653; 3717; 3992
BscAI	!NNNNNNGATGC	7	360; 1004; 1172; 3316; 3571; 3787; 5179
BseI	ACTGGN!	7	1214; 1287; 1386; 1684; 3299; 3500; 4746
BseI	C!CAGT	7	295; 1398; 1706; 2384; 3062; 4858; 4871
Bse8I	GATNN!NNATC	2	2017; 3214
Bse2II	CC!TNAGG	3	869; 2835; 4467
Bse118I	R!CCGGY	5	600; 2572; 3674; 3855; 4138
BseAI	T!CCGGA	1	1321
BseBI	CC!WGG	18	90; 283; 787; 931; 946; 1075; 1777; 1907; 1965; 2891; 2946; 2963; 3742; 4321; 4424; 5114; 5127; 5248
BseCI	AT!CGAT	2	1840; 3195
BseDI	C!CNNGG	19	360; 611; 698; 929; 1340; 2889; 2961; 3084; 3119; 3128; 3177; 3518; 3787; 4192; 4319; 4320; 4422; 4423; 5113
Bse3DI	GCAATGNN!	1	3588
Bse3DI	!CATTGC	0	
BseGI	GGATGNN!	4	3215; 3672; 3697; 4151
BseGI	!CATCC	4	694; 782; 839; 3041
BseJI	GATNN!NNATC	2	2017; 3214
BseLI	CCNNNNN!NNGG	22	49; 721; 1000; 1066; 1209; 1381; 1679; 2367; 2693; 3085; 3336; 3880; 4161; 4193; 4325; 4360; 4410; 4442; 4795; 5074; 5240; 5258
BseMI	GCAATGNN!	1	3588
BseMI	!CATTGC	0	
BseMII	CTCAGNNNNNNNNNN!	2	1341; 4481
BseMII	!NNNNNNNNCTGAG	6	860; 2826; 3128; 4009; 4581; 4990
BseNI	ACTGGN!	7	1214; 1287; 1386; 1684; 3299; 3500; 4746
BseNI	C!CAGT	7	295; 1398; 1706; 2384; 3062; 4858; 4871
BsePI	G!CGCGC	0	
BseRI	GAGGAGNNNNNNNNNN!	5	1328; 1628; 1669; 1946; 3173
BseRI	!NNNNNNNNCTCCTC	0	
BseSI	GKGCMI:C	6	667; 694; 727; 3301; 3394; 4963
BseXI	GCAGCNNNNNNNN!	10	821; 1263; 1636; 1968; 2143; 3428; 3470; 3991; 4444; 4944
BseXI	!NNNNNNNNNNNGCTGC	8	940; 1491; 2637; 3302; 3486; 3579; 4645; 4851
BseX3I	C!GGCCG	1	3261
BseYI	C!CCAGC	4	993; 2898; 2970; 4969
BseYI	G!CTGGG	2	1031; 3859
BsgI	GTGCAGNNNNNNNNNNNNNNNN!	0	
BsgI	!NNNNNNNNNNNNNNCTGCAC	0	
Bsh1236I	CG!CG	15	60; 2243; 2279; 2655; 2675; 2699; 2730; 3421; 3722; 4160; 4244; 4307; 4376; 4649; 5230
Bsh1285I	CGRY!CG	3	605; 3264; 4939
BshFI	GG!CC	29	84; 277; 761; 1004; 1039; 1073; 1096; 1118; 1228; 1270; 1374; 1469; 2321; 2463; 3118; 3124; 3133; 3176; 3263; 3437; 3828; 3855; 4364; 4421; 4454; 4799; 5233; 5251; 5262
BshNI	G!GYRCC	6	465; 664; 724; 2508; 3354; 3389
BshTI	A!CCGGT	1	600
BshVI	AT!CGAT	2	1840; 3195
BsiEI	CGRY!CG	3	605; 3264; 4939
BsiHKAI	GWGCW!C	5	694; 1620; 3468; 3658; 4963
BsiHKCI	C!YCGRG	1	1334
BsiSI	C!CGG	21	601; 835; 1184; 1322; 1997; 2573; 3260; 3337; 3359; 3387; 3518; 3608; 3675; 3856; 4131; 4139; 4231; 4705; 4895; 4921; 5068
BsiWI	C!GTACG	0	
BsII	CCNNNNN!NNGG	22	49; 721; 1000; 1066; 1209; 1381; 1679; 2367; 2693; 3085; 3336; 3880; 4161; 4193; 4325; 4360; 4410; 4442; 4795; 5074; 5240; 5258
BsIFI	GGGACNNNNNNNNNN!	6	175; 326; 494; 3506; 4038; 4147
BsIFI	!NNNNNNNNNNNNNGTCCC	4	2871; 2943; 3007; 4302
BsmI	GAATGCN!	1	2106
BsmI	G!CATTC	1	2199

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BsmAI	GTCTCN!	1	434
BsmAI	!NNNNNGAGAC	8	1042; 1132; 1231; 1816; 2779; 3197; 4216; 4344
BsmBI	CGTCTCN!	0	
BsmBI	!NNNNNGAGACG	1	1042
BsmFI	GGGACNNNNNNNNNN!	6	175; 326; 494; 3506; 4038; 4147
BsmFI	!NNNNNNNNNNNNNGTCCC	4	2871; 2943; 3007; 4302
BsnI	GG!CC	29	84; 277; 761; 1004; 1039; 1073; 1096; 1118; 1228; 1270; 1374; 1469; 2321; 2463; 3118; 3124; 3133; 3176; 3263; 3437; 3828; 3855; 4364; 4421; 4454; 4799; 5233; 5251; 5262
Bso31I	GGTCTCN!	0	
Bso31I	!NNNNNGAGACC	3	1132; 1231; 4344
BsoBI	C!YCGRG	1	1334
Bsp13I	T!CCGGA	1	1321
Bsp19I	C!CATGG	5	360; 611; 1340; 3084; 3787
Bsp24I	GACNNNNNTGGNNNNNNNNNN!	2	289; 4158
Bsp24I	!NNNNNNCCANNNNNNNGTC	3	1332; 4579; 4757
Bsp24I	CCANNNNNGTCNNNNNNNNNN!	3	1364; 4611; 4789
Bsp24I	!NNNNNNNGACNNNNNNNTGG	2	257; 4126
Bsp68I	TCG!CGA	0	
Bsp119I	TT!CGAA	1	4037
Bsp120I	G!GGCCC	0	
Bsp143I	!GATC	24	585; 1124; 1150; 1330; 1746; 1990; 1999; 2012; 3192; 3196; 3215; 3526; 3604; 3685; 3694; 3772; 4148; 4164; 4523; 4535; 4613; 4621; 4632; 4707
Bsp1286I	GDGCH!C	12	667; 694; 727; 1620; 2546; 3301; 3394; 3468; 3658; 3720; 4430; 4963
Bsp1407I	T!GTACA	1	653
Bsp1720I	GC!TNAGC	1	1593
BspACI	C!CGC	34	58; 86; 98; 112; 279; 507; 589; 923; 1061; 1163; 2670; 2673; 2687; 2777; 3025; 3037; 3046; 3058; 3068; 3079; 3125; 3264; 3327; 3829; 3874; 3940; 3966; 4091; 4094; 4242; 4374; 4681; 4825; 5321
BspACI	G!CGG	26	370; 403; 528; 758; 1070; 1112; 2615; 2642; 2730; 2840; 3421; 3485; 3586; 3589; 3869; 3924; 4022; 4160; 4307; 4447; 4690; 4935; 5056; 5075; 5202; 5230
BspCNI	CTCAGNNNNNNNN!	2	1340; 4480
BspCNI	!NNNNNNNCTGAG	6	861; 2827; 3129; 4010; 4582; 4991
BspDI	AT!CGAT	2	1840; 3195
BspD6I	GACTCNNNN!	5	418; 1333; 2428; 4034; 4911
BspD6I	!NNNNNGAGTC	5	883; 1416; 1650; 2391; 2823
BspEI	T!CCGGA	1	1321
BspFNI	CG!CG	15	60; 2243; 2279; 2655; 2675; 2699; 2730; 3421; 3722; 4160; 4244; 4307; 4376; 4649; 5230
BspHI	T!CATGA	3	1476; 2781; 4553
BspLI	GGN!NCC	19	467; 666; 726; 1117; 1320; 1992; 2510; 2531; 2543; 2734; 2895; 2967; 3356; 3391; 4239; 4318; 4363; 5206; 5245
BspMI	ACCTGCNNNN!	2	3623; 4073
BspMI	!NNNNNNNGCAGGT	1	3242
BspOI	GCTAG!C	1	595
BspPI	GGATCNNNN!	9	1998; 2007; 3223; 3534; 3780; 4172; 4531; 4629; 4715
BspPI	!NNNNNGATCC	7	580; 1145; 1985; 3599; 4143; 4530; 4627
BspQI	GCTCTCN!	0	
BspQI	!NNNNGAAGAGC	2	3699; 3909
BspTI	C!TTAAG	0	
BspT104I	TT!CGAA	1	4037
BspT107I	G!GYRCC	6	465; 664; 724; 2508; 3354; 3389
BspTNI	GGTCTCN!	0	
BspTNI	!NNNNNGAGACC	3	1132; 1231; 4344
BsrI	ACTGGN!	7	1214; 1287; 1386; 1684; 3299; 3500; 4746
BsrI	C!CAGT	7	295; 1398; 1706; 2384; 3062; 4858; 4871
BsrBI	CCG!CTC	2	2779; 3968
BsrBI	GAG!CGG	2	2615; 4022
BsrDI	GCAATGNN!	1	3588
BsrDI	!CATTGC	0	
BsrFI	R!CCGGY	5	600; 2572; 3674; 3855; 4138
BsrGI	T!GTACA	1	653

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BsrSI	ACTGGN!	7	1214; 1287; 1386; 1684; 3299; 3500; 4746
BsrSI	C!CAGT	7	295; 1398; 1706; 2384; 3062; 4858; 4871
BssAI	R!CCGGY	5	600; 2572; 3674; 3855; 4138
BssECI	C!CNNGG	19	360; 611; 698; 929; 1340; 2889; 2961; 3084; 3119; 3128; 3177; 3518; 3787; 4192; 4319; 4320; 4422; 4423; 5113
BssHII	G!CGCGC	0	
BssKI	!CCNGG	24	88; 281; 785; 834; 929; 944; 1073; 1182; 1775; 1905; 1963; 2889; 2944; 2961; 3357; 3517; 3740; 4130; 4319; 4422; 4894; 5112; 5125; 5246
BssMI	!GATC	24	585; 1124; 1150; 1330; 1746; 1990; 1999; 2012; 3192; 3196; 3215; 3526; 3604; 3685; 3694; 3772; 4148; 4164; 4523; 4535; 4613; 4621; 4632; 4707
BssNI	GR!CGYC	8	122; 175; 258; 444; 1187; 3355; 4057; 4136
BssNAI	GTA!TAC	0	
BssSI	C!ACGAG	3	1255; 4073; 5100
BssSI	C!TCGTG	2	1105; 3947
BssTII	C!CWWGG	7	360; 611; 1340; 3084; 3177; 3787; 4192
Bst6I	CTCTTCN!	0	
Bst6I	!NNNNGAAGAG	4	1923; 2822; 3699; 3909
Bst98I	C!TTAAG	0	
Bst1107I	GTA!TAC	0	
BstACI	GR!CGYC	8	122; 175; 258; 444; 1187; 3355; 4057; 4136
BstAFI	C!TTAAG	0	
BstAPI	GCANNNN!NTGC	4	1918; 2922; 2994; 4456
BstAUI	T!GTACA	1	653
BstBI	TT!CGAA	1	4037
Bst2BI	C!ACGAG	3	1255; 4073; 5100
Bst2BI	C!TCGTG	2	1105; 3947
BstBAI	YAC!GTR	3	340; 2471; 3659
Bst4CI	ACN!GT	18	76; 198; 269; 543; 581; 669; 1524; 1545; 1787; 1807; 2446; 3735; 3851; 3959; 4282; 4773; 5243; 5314
BstC8I	GCN!NGC	32	86; 279; 593; 622; 712; 916; 1703; 2574; 2617; 2631; 2904; 2923; 2976; 2995; 3249; 3435; 3654; 3720; 3726; 3754; 3758; 3799; 3803; 3857; 4140; 4327; 4374; 4430; 4452; 4663; 5223; 5260
BstDEI	C!TNAG	10	869; 1327; 1593; 1986; 2835; 3137; 4018; 4467; 4590; 4999
BstDSI	C!CRYGG	5	360; 611; 1340; 3084; 3787
BstEII	G!GTNACC	0	
BstENI	CCTNN!NNNAGG	0	
BstF5I	GGATGNN!	4	3215; 3672; 3697; 4151
BstF5I	!CATCC	4	694; 782; 839; 3041
BstFNI	CG!CG	15	60; 2243; 2279; 2655; 2675; 2699; 2730; 3421; 3722; 4160; 4244; 4307; 4376; 4649; 5230
BstH2I	RGCGC!Y	6	598; 1292; 2622; 2630; 3358; 5033
BstHHI	GCG!C	24	597; 1084; 1291; 1357; 2621; 2629; 2655; 2677; 2686; 2699; 2730; 3349; 3357; 3421; 3458; 3724; 3984; 4160; 4246; 4649; 4758; 4932; 5032; 5099
BstKTI	GAT!C	24	588; 1127; 1153; 1333; 1749; 1993; 2002; 2015; 3195; 3199; 3218; 3529; 3607; 3688; 3697; 3775; 4151; 4167; 4526; 4538; 4616; 4624; 4635; 4710
BstMAI	GTCTCN!	1	434
BstMAI	!NNNNGAGAC	8	1042; 1132; 1231; 1816; 2779; 3197; 4216; 4344
BstMBI	!GATC	24	585; 1124; 1150; 1330; 1746; 1990; 1999; 2012; 3192; 3196; 3215; 3526; 3604; 3685; 3694; 3772; 4148; 4164; 4523; 4535; 4613; 4621; 4632; 4707
BstMCI	CGRY!CG	3	605; 3264; 4939
BstMWI	GCNNNNN!NNGC	31	90; 212; 244; 283; 376; 400; 648; 1079; 1442; 1624; 1750; 1918; 2582; 2612; 2639; 2681; 2922; 2994; 3045; 3124; 3346; 3430; 3453; 3592; 3715; 3798; 4065; 4252; 4456; 4655; 5227
BstNI	CC!WGG	18	90; 283; 787; 931; 946; 1075; 1777; 1907; 1965; 2891; 2946; 2963; 3742; 4321; 4424; 5114; 5127; 5248
BstNSI	RCATG!Y	6	642; 1088; 2925; 2997; 3760; 5277
BstOI	CC!WGG	18	90; 283; 787; 931; 946; 1075; 1777; 1907; 1965; 2891; 2946; 2963; 3742; 4321; 4424; 5114; 5127; 5248
BstPI	G!GTNACC	0	
BstPAI	GACNN!NNGTC	1	1243

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BstSCI	!CCNGG	24	88; 281; 785; 834; 929; 944; 1073; 1182; 1775; 1905; 1963; 2889; 2944; 2961; 3357; 3517; 3740; 4130; 4319; 4422; 4894; 5112; 5125; 5246
BstSFI	C!TRYAG	4	1608; 2690; 4817; 5008
BstSLI	GKGCMI!C	6	667; 694; 727; 3301; 3394; 4963
BstSNI	TAC!GTA	1	340
BstUI	CG!CG	15	60; 2243; 2279; 2655; 2675; 2699; 2730; 3421; 3722; 4160; 4244; 4307; 4376; 4649; 5230
Bst2UI	CC!WGG	18	90; 283; 787; 931; 946; 1075; 1777; 1907; 1965; 2891; 2946; 2963; 3742; 4321; 4424; 5114; 5127; 5248
BstV1I	GCAGCNNNNNNNN!	10	821; 1263; 1636; 1968; 2143; 3428; 3470; 3991; 4444; 4944
BstV1I	!NNNNNNNNNNNGCTGC	8	940; 1491; 2637; 3302; 3486; 3579; 4645; 4851
BstV2I	GAAGACNN!	1	911
BstV2I	!NNNNNNNGTCTTC	0	
BstXI	CCANNNNN!NTGG	0	
BstX2I	R!GATCY	12	585; 1150; 1330; 1990; 1999; 3526; 3772; 4164; 4523; 4535; 4621; 4632
BstYI	R!GATCY	12	585; 1150; 1330; 1990; 1999; 3526; 3772; 4164; 4523; 4535; 4621; 4632
BstZI	C!GGCCG	1	3261
BstZ17I	GTA!TAC	0	
BsuI	GTATCCNNNNNN!	3	2784; 3574; 5075
BsuI	!NNNNNGGATAC	1	1557
Bsu15I	AT!CGAT	2	1840; 3195
Bsu36I	CC!TNAGG	3	869; 2835; 4467
BsuRI	GG!CC	29	84; 277; 761; 1004; 1039; 1073; 1096; 1118; 1228; 1270; 1374; 1469; 2321; 2463; 3118; 3124; 3133; 3176; 3263; 3437; 3828; 3855; 4364; 4421; 4454; 4799; 5233; 5251; 5262
BsuTUI	AT!CGAT	2	1840; 3195
BtgI	C!CRYGG	5	360; 611; 1340; 3084; 3787
BtgZI	GCGATGNNNNNNNNNN!	2	2472; 3807
BtgZI	!NNNNNNNNNNNNNNCATCGC	3	334; 3626; 3970
BthCI	GCNG!C	36	761; 812; 956; 1073; 1254; 1507; 1627; 1959; 2134; 2653; 2675; 2689; 3127; 3266; 3318; 3329; 3419; 3424; 3461; 3502; 3589; 3592; 3595; 3831; 3927; 3968; 3982; 4096; 4435; 4450; 4661; 4867; 4870; 4935; 5078; 5233
BtrI	CAC!GTC	0	
BtrI	GAC!GTG	0	
BtsI	GCAGTGNN!	0	
BtsI	!CACTGC	1	2194
BtsCI	GGATGNN!	4	3215; 3672; 3697; 4151
BtsCI	!CATCC	4	694; 782; 839; 3041
BtuMI	TCG!CGA	0	
BveI	ACCTGCNNNN!	2	3623; 4073
BveI	!NNNNNNNNNGCAGGT	1	3242
Cac8I	GCNI!NGC	32	86; 279; 593; 622; 712; 916; 1703; 2574; 2617; 2631; 2904; 2923; 2976; 2995; 3249; 3435; 3654; 3720; 3726; 3754; 3758; 3799; 3803; 3857; 4140; 4327; 4374; 4430; 4452; 4663; 5223; 5260
CaiI	CAGNNN!CTG	2	4456; 4864
CciI	T!CATGA	3	1476; 2781; 4553
CciNI	GC!GGCCGC	0	
CdiI	CATC!G	6	352; 1841; 3644; 3649; 3847; 3988
CdiI	C!GATG	5	1052; 1233; 1841; 2458; 3793
CdpI	GCGGAGNNNNNNNNNNNNNNNNNNNNNN!	1	5227
CdpI	!NNNNNNNNNNNNNNNNNNNNCTCCGC	3	486; 3016; 3058
CelII	GC!TNAGC	1	1593
CfoI	GCG!C	24	597; 1084; 1291; 1357; 2621; 2629; 2655; 2677; 2686; 2699; 2730; 3349; 3357; 3421; 3458; 3724; 3984; 4160; 4246; 4649; 4758; 4932; 5032; 5099
CfrI	Y!GGCCR	5	1268; 3261; 3435; 3826; 3853
Cfr9I	C!CCGGG	0	
Cfr10I	R!CCGGY	5	600; 2572; 3674; 3855; 4138
Cfr13I	G!GNCC	15	83; 276; 760; 1003; 1095; 1116; 1200; 1372; 1467; 2462; 3871; 4316; 4362; 4420; 4453
Cfr42I	CCGC!GG	0	



Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
ChaI	GATC!	24	589; 1128; 1154; 1334; 1750; 1994; 2003; 2016; 3196; 3200; 3219; 3530; 3608; 3689; 3698; 3776; 4152; 4168; 4527; 4539; 4617; 4625; 4636; 4711
CjeI	CCANNNNNNGTNNNNNNNNNNNNNN!	7	706; 1365; 1543; 3172; 4612; 4712; 4790
CjeI	!NNNNNNNNNACNNNNNTGG	7	64; 257; 2839; 2934; 4126; 4676; 5231
CjeI	ACNNNNNTTGGNNNNNNNNNNNNNN!	7	98; 291; 2873; 2968; 4160; 4710; 5265
CjeI	!NNNNNNNNCCANNNNNNGT	7	672; 1331; 1509; 3138; 4578; 4678; 4756
CjePI	CCANNNNNNTCNNNNNNNNNNNNNN!	3	1365; 4612; 4790
CjePI	!NNNNNNNNGANNNNNNNTGG	3	257; 4126; 4725
CjePI	GANNNNNNNTGGNNNNNNNNNNNNNN!	3	290; 4159; 4758
CjePI	!NNNNNNNNCCANNNNNNTC	3	1332; 4579; 4757
Clai	AT!CGAT	2	1840; 3195
CpoI	CG!GWCCG	1	3871
CseI	GACGCNNNNN!	3	526; 4065; 4144
CseI	!NNNNNNNNNNGCGTC	4	1176; 2688; 4583; 5161
CsiI	A!CCWGGT	1	2944
CspI	CG!GWCCG	1	3871
Csp6I	G!TAC	13	218; 243; 298; 331; 382; 539; 654; 804; 1056; 1411; 1493; 1605; 3660
Csp45I	TT!CGAA	1	4037
CspAI	A!CCGGT	1	600
CspCI	CAANNNNGTGGNNNNNNNNNNNN!	1	411
CspCI	!NNNNNNNNNCCACNNNNNTTG	0	
CspCI	CCACNNNNNTTGNNNNNNNNNNNNN!	0	
CspCI	!NNNNNNNNNNNCAANNNNGTGG	1	376
CstMI	AAGGAGNNNNNNNNNNNNNNNNNN!	4	656; 1247; 2635; 4244
CstMI	!NNNNNNNNNNNNNNNNNNCTCCTT	0	
CviAI	C!ATG	28	301; 361; 612; 639; 645; 657; 735; 801; 881; 1085; 1092; 1341; 1477; 1818; 1863; 2782; 2922; 2994; 3085; 3226; 3571; 3757; 3788; 3814; 4170; 4554; 5274; 5325
CviJI	RG!CY	108	42; 84; 93; 277; 566; 624; 651; 714; 761; 790; 797; 875; 941; 953; 997; 1004; 1031; 1039; 1073; 1096; 1104; 1118; 1228; 1264; 1270; 1339; 1345; 1374; 1445; 1469; 1504; 1570; 1592; 1627; 1672; 1705; 1726; 1744; 1765; 1831; 1873; 1959; 2024; 2134; 2301; 2321; 2463; 2544; 2558; 2572; 2853; 2894; 2966; 3089; 3118; 3124; 3133; 3141; 3164; 3176; 3182; 3263; 3280; 3288; 3315; 3340; 3424; 3433; 3437; 3461; 3499; 3575; 3592; 3611; 3674; 3718; 3728; 3745; 3828; 3855; 3859; 3896; 3919; 3935; 4115; 4142; 4203; 4325; 4364; 4421; 4428; 4435; 4454; 4465; 4716; 4745; 4788; 4799; 4864; 4943; 4968; 4973; 5019; 5109; 5207; 5233; 5251; 5262
CviKI-1	RG!CY	108	42; 84; 93; 277; 566; 624; 651; 714; 761; 790; 797; 875; 941; 953; 997; 1004; 1031; 1039; 1073; 1096; 1104; 1118; 1228; 1264; 1270; 1339; 1345; 1374; 1445; 1469; 1504; 1570; 1592; 1627; 1672; 1705; 1726; 1744; 1765; 1831; 1873; 1959; 2024; 2134; 2301; 2321; 2463; 2544; 2558; 2572; 2853; 2894; 2966; 3089; 3118; 3124; 3133; 3141; 3164; 3176; 3182; 3263; 3280; 3288; 3315; 3340; 3424; 3433; 3437; 3461; 3499; 3575; 3592; 3611; 3674; 3718; 3728; 3745; 3828; 3855; 3859; 3896; 3919; 3935; 4115; 4142; 4203; 4325; 4364; 4421; 4428; 4435; 4454; 4465; 4716; 4745; 4788; 4799; 4864; 4943; 4968; 4973; 5019; 5109; 5207; 5233; 5251; 5262
CviQI	G!TAC	13	218; 243; 298; 331; 382; 539; 654; 804; 1056; 1411; 1493; 1605; 3660
DdeI	C!TNAG	10	869; 1327; 1593; 1986; 2835; 3137; 4018; 4467; 4590; 4999
DinI	GGC!GCC	1	3356
DpnI	GA!TC	24	587; 1126; 1152; 1332; 1748; 1992; 2001; 2014; 3194; 3198; 3217; 3528; 3606; 3687; 3696; 3774; 4150; 4166; 4525; 4537; 4615; 4623; 4634; 4709
DpnII	!GATC	24	585; 1124; 1150; 1330; 1746; 1990; 1999; 2012; 3192; 3196; 3215; 3526; 3604; 3685; 3694; 3772; 4148; 4164; 4523; 4535; 4613; 4621; 4632; 4707
DraI	TTT!AAA	3	2057; 4499; 4518
DraII	RG!GNCCY	1	4453
DraIII	CACNN!GTG	2	1260; 2471
DraRI	CAAGNACNNNNNNNNNNNNNNNNNN!	4	266; 851; 1602; 4835
DraRI	!NNNNNNNNNNNNNNNNNGTNCCTG	0	
DrdI	GACNNN!NNGTC	3	2426; 3382; 5171

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
DrdIV	TACGACNNNNNNNNNNNNNNNNNNNN!	0	
DrdIV	!NNNNNNNNNNNNNNNNNGTCGTA	1	476
DriI	GACNNN!NNGTC	0	
DseDI	GACNNN!NNGTC	3	2426; 3382; 5171
EaeI	Y!GGCCG	5	1268; 3261; 3435; 3826; 3853
EagI	C!GGCCG	1	3261
Eam1104I	CTCTTCN!	0	
Eam1104I	!NNNNGAAGAG	4	1923; 2822; 3699; 3909
Eam1105I	GACNNN!NNGTC	0	
EarI	CTCTTCN!	0	
EarI	!NNNNGAAGAG	4	1923; 2822; 3699; 3909
EciI	GGCGGANNNNNNNNNNNN!	4	2855; 3884; 5071; 5217
EciI	!NNNNNNNNNTCCGCC	4	496; 3026; 3047; 3068
Ecl136II	GAG!CTC	0	
EclXI	C!GGCCG	1	3261
Eco24I	GRGCY!C	3	2546; 3720; 4430
Eco31I	GGTCTCN!	0	
Eco31I	!NNNNGAGACC	3	1132; 1231; 4344
Eco32I	GAT!ATC	1	1644
Eco47I	G!GWCC	3	1200; 3871; 4316
Eco47III	AGC!GCT	1	596
Eco52I	C!GGCCG	1	3261
Eco57I	CTGAAGNNNNNNNNNNNNNN!	3	1120; 3501; 3933
Eco57I	!NNNNNNNNNNNNNCTTCAG	2	1678; 4731
Eco72I	CAC!GTG	0	
Eco81I	CC!TNAGG	3	869; 2835; 4467
Eco88I	C!YCGRG	1	1334
Eco91I	G!GTNACC	0	
Eco105I	TAC!GTA	1	340
Eco130I	C!CWWGG	7	360; 611; 1340; 3084; 3177; 3787; 4192
Eco147I	AGG!CCT	2	1039; 3176
EcoHI	!CCSGG	6	834; 1182; 3357; 3517; 4130; 4894
EcoICRI	GAG!CTC	0	
Eco57MI	CTGRAGNNNNNNNNNNNNNN!	4	1120; 3501; 3933; 4195
Eco57MI	!NNNNNNNNNNNNNCTYCAG	4	928; 1678; 4138; 4731
EcoNI	CCTNN!NNNAGG	0	
Eco065I	G!GTNACC	0	
Eco0109I	RG!GNCCY	1	4453
EcoRI	G!AATC	0	
EcoRII	!CCWGG	18	88; 281; 785; 929; 944; 1073; 1775; 1905; 1963; 2889; 2944; 2961; 3740; 4319; 4422; 5112; 5125; 5246
EcoRV	GAT!ATC	1	1644
EcoT14I	C!CWWGG	7	360; 611; 1340; 3084; 3177; 3787; 4192
EcoT22I	ATGCA!T	3	2927; 2999; 5330
EcoT38I	GRGCY!C	3	2546; 3720; 4430
Eco53kI	GAG!CTC	0	
EgeI	GGC!GCC	1	3356
EheI	GGC!GCC	1	3356
ErhI	C!CWWGG	7	360; 611; 1340; 3084; 3177; 3787; 4192
EsaBC3I	TC!GA	18	753; 780; 1248; 1336; 1351; 1770; 1841; 2505; 3196; 3469; 3625; 3649; 3685; 3847; 4038; 4083; 4338; 5176
Esp3I	CGTCTCN!	0	
Esp3I	!NNNNGAGACG	1	1042
FaeI	CATG!	28	304; 364; 615; 642; 648; 660; 738; 804; 884; 1088; 1095; 1344; 1480; 1821; 1866; 2785; 2925; 2997; 3088; 3229; 3574; 3760; 3791; 3817; 4173; 4557; 5277; 5328
FaiI	YA!TR	73	39; 46; 50; 67; 138; 146; 234; 236; 291; 302; 310; 362; 555; 557; 613; 640; 646; 658; 736; 802; 882; 900; 1086; 1093; 1146; 1342; 1395; 1478; 1498; 1560; 1589; 1630; 1640; 1793; 1819; 1864; 2017; 2027; 2093; 2138; 2343; 2771; 2783; 2914; 2923; 2986; 2995; 3019; 3086; 3110; 3227; 3291; 3572; 3597; 3758; 3789; 3815; 3887; 4103; 4171; 4249; 4301; 4462; 4479; 4481; 4483; 4555; 4833; 5022; 5138; 5211; 5275; 5326
FalI	AAGNNNNNCTNNNNNNNNNNNN!	2	879; 3695
FalI	!NNNNNNNNAAGNNNNNCTT	2	847; 3663
FaqI	GGGACNNNNNNNNNN!	6	175; 326; 494; 3506; 4038; 4147

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
FaqI	!NNNNNNNNNNNNNGTCCC	4	2871; 2943; 3007; 4302
FatI	!CATG	28	300; 360; 611; 638; 644; 656; 734; 800; 880; 1084; 1091; 1340; 1476; 1817; 1862; 2781; 2921; 2993; 3084; 3225; 3570; 3756; 3787; 3813; 4169; 4553; 5273; 5324
FauI	CCCGCNNNN!	10	93; 119; 286; 1068; 1170; 2677; 3032; 3053; 4249; 4381
FauI	!NNNNNNGCGGG	6	1105; 2608; 3478; 4015; 4153; 4300
FauNDI	CA!TATG	1	234
FbaI	T!GATCA	1	2012
FblI	GT!MKAC	2	1190; 1937
FmuI	GGNC!C	15	86; 279; 763; 1006; 1098; 1119; 1203; 1375; 1470; 2465; 3874; 4319; 4365; 4423; 4456
Fnu4HI	GC!NGC	36	759; 810; 954; 1071; 1252; 1505; 1625; 1957; 2132; 2651; 2673; 2687; 3125; 3264; 3316; 3327; 3417; 3422; 3459; 3500; 3587; 3590; 3593; 3829; 3925; 3966; 3980; 4094; 4433; 4448; 4659; 4865; 4868; 4933; 5076; 5231
FokI	GGATGNNNNNNNN!	4	3222; 3679; 3704; 4158
FokI	!NNNNNNNNNNNNNCATCC	4	681; 769; 826; 3028
FriOI	GRGCY!C	3	2546; 3720; 4430
FseI	GGCCGG!CC	0	
FspI	TGC!GCA	1	3457
FspAI	RTGC!GCAY	0	
FspBI	C!TAG	11	592; 1346; 1408; 1447; 2003; 2204; 2622; 3178; 4193; 4527; 4780
FspEI	CCNNNNNNNNNNNN!	174	56; 71; 98; 114; 128; 129; 156; 182; 220; 252; 291; 307; 333; 373; 450; 451; 482; 501; 520; 593; 614; 656; 681; 711; 728; 742; 775; 789; 807; 831; 845; 876; 909; 936; 951; 970; 1006; 1053; 1072; 1087; 1110; 1132; 1147; 1167; 1186; 1216; 1242; 1284; 1335; 1353; 1379; 1411; 1459; 1483; 1509; 1530; 1600; 1641; 1674; 1719; 1789; 1803; 1898; 1919; 1935; 1954; 1973; 2007; 2038; 2077; 2091; 2232; 2327; 2351; 2374; 2397; 2415; 2437; 2458; 2477; 2496; 2525; 2546; 2560; 2586; 2674; 2700; 2749; 2790; 2808; 2847; 2863; 2901; 2958; 2973; 3030; 3050; 3064; 3081; 3095; 3132; 3147; 3190; 3273; 3340; 3371; 3391; 3406; 3451; 3465; 3531; 3545; 3564; 3580; 3621; 3641; 3688; 3738; 3754; 3774; 3799; 3819; 3842; 3869; 3887; 3913; 3953; 3979; 4003; 4059; 4073; 4101; 4144; 4165; 4200; 4244; 4332; 4356; 4378; 4398; 4414; 4435; 4449; 4468; 4552; 4572; 4600; 4615; 4649; 4691; 4718; 4733; 4778; 4802; 4816; 4838; 4864; 4884; 4908; 4934; 4982; 5001; 5020; 5046; 5081; 5126; 5156; 5170; 5221; 5235; 5260; 5276; 5297; 5326
FspEI	!NNNNNNNNNNNNNNNGG	145	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; 958; 986; 1013; 1052; 1078; 1097; 1169; 1195; 1243; 1268; 1286; 1307; 1327; 1355; 1402; 1450; 1484; 1545; 1598; 1639; 1665; 1683; 1718; 1762; 1804; 1849; 1892; 1910; 1950; 1973; 2026; 2126; 2195; 2303; 2352; 2374; 2402; 2438; 2483; 2512; 2548; 2567; 2595; 2615; 2678; 2701; 2809; 2841; 2859; 2888; 2931; 2960; 3071; 3100; 3143; 3164; 3192; 3225; 3245; 3270; 3297; 3322; 3344; 3372; 3398; 3419; 3470; 3491; 3509; 3557; 3593; 3649; 3674; 3698; 3727; 3750; 3774; 3800; 3822; 3841; 3866; 3906; 3942; 4007; 4092; 4116; 4145; 4179; 4200; 4220; 4265; 4292; 4311; 4344; 4396; 4427; 4454; 4506; 4604; 4675; 4720; 4781; 4846; 4880; 4906; 4924; 4960; 5030; 5053; 5075; 5099; 5132; 5180; 5215; 5233; 5290
Fsp4HI	GC!NGC	36	759; 810; 954; 1071; 1252; 1505; 1625; 1957; 2132; 2651; 2673; 2687; 3125; 3264; 3316; 3327; 3417; 3422; 3459; 3500; 3587; 3590; 3593; 3829; 3925; 3966; 3980; 4094; 4433; 4448; 4659; 4865; 4868; 4933; 5076; 5231
GdiII	C!GGCCR	1	3261
GdiII	Y!GGCCG	3	3261; 3826; 3853
GlaI	GC!GC	24	596; 1083; 1290; 1356; 2620; 2628; 2654; 2676; 2685; 2698; 2729; 3348; 3356; 3420; 3457; 3723; 3983; 4159; 4245; 4648; 4757; 4931; 5031; 5098
GluI	GC!NGC	36	759; 810; 954; 1071; 1252; 1505; 1625; 1957; 2132; 2651; 2673; 2687; 3125; 3264; 3316; 3327; 3417; 3422; 3459; 3500; 3587; 3590; 3593; 3829; 3925; 3966; 3980; 4094; 4433; 4448; 4659; 4865; 4868; 4933; 5076; 5231
GsaI	CCCAG!C	4	997; 2902; 2974; 4973
GsaI	GCTGG!G	2	1035; 3863
GsuI	CTGGAGNNNNNNNNNNNNNNNN!	1	4195

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
GsuI	!NNNNNNNNNNNNNNCTCCAG	2	928; 4138
HaeI	WGG!CCW	7	1039; 1270; 3176; 3437; 4799; 5251; 5262
HaeII	RGCG!Y	6	598; 1292; 2622; 2630; 3358; 5033
HaeIII	GG!CC	29	84; 277; 761; 1004; 1039; 1073; 1096; 1118; 1228; 1270; 1374; 1469; 2321; 2463; 3118; 3124; 3133; 3176; 3263; 3437; 3828; 3855; 4364; 4421; 4454; 4799; 5233; 5251; 5262
HaeIV	GAYNNNNNRTCNNNNNNNNNNNN!	2	2030; 3551
HaeIV	!NNNNNNNNNGAYNNNNNRTC	2	1996; 3517
HaeIV	GAYNNNNNRTCNNNNNNNNNNNN!	2	2029; 3550
HaeIV	!NNNNNNNGAYNNNNNRTC	2	1998; 3519
HapII	C!CGG	21	601; 835; 1184; 1322; 1997; 2573; 3260; 3337; 3359; 3387; 3518; 3608; 3675; 3856; 4131; 4139; 4231; 4705; 4895; 4921; 5068
HgaI	GACGCNNNNN!	3	526; 4065; 4144
HgaI	!NNNNNNNNNNNGCGTC	4	1176; 2688; 4583; 5161
HhaI	GCG!C	24	597; 1084; 1291; 1357; 2621; 2629; 2655; 2677; 2686; 2699; 2730; 3349; 3357; 3421; 3458; 3724; 3984; 4160; 4246; 4649; 4758; 4932; 5032; 5099
HinI	GR!CGYC	8	122; 175; 258; 444; 1187; 3355; 4057; 4136
Hin1II	CATG!	28	304; 364; 615; 642; 648; 660; 738; 804; 884; 1088; 1095; 1344; 1480; 1821; 1866; 2785; 2925; 2997; 3088; 3229; 3574; 3760; 3791; 3817; 4173; 4557; 5277; 5328
Hin4I	GAYNNNNNVTCNNNNNNNNNNNN!	2	2029; 3550
Hin4I	!NNNNNNNNNGABNNNNNRTC	3	1997; 3518; 3548
Hin4I	GABNNNNNRTCNNNNNNNNNNNN!	3	2029; 3550; 3580
Hin4I	!NNNNNNNNNGAYNNNNNVTC	2	1997; 3518
Hin6I	G!CGC	24	595; 1082; 1289; 1355; 2619; 2627; 2653; 2675; 2684; 2697; 2728; 3347; 3355; 3419; 3456; 3722; 3982; 4158; 4244; 4647; 4756; 4930; 5030; 5097
HinP1I	G!CGC	24	595; 1082; 1289; 1355; 2619; 2627; 2653; 2675; 2684; 2697; 2728; 3347; 3355; 3419; 3456; 3722; 3982; 4158; 4244; 4647; 4756; 4930; 5030; 5097
HincII	GTY!RAC	1	2118
HindII	GTY!RAC	1	2118
HindIII	A!AGCTT	0	
HinfI	G!ANTC	19	410; 740; 890; 1217; 1325; 1423; 1657; 1902; 1968; 2398; 2420; 2830; 3840; 3974; 4026; 4084; 4121; 4903; 5299
HpaI	GTT!AAC	1	2118
HpaII	C!CGG	21	601; 835; 1184; 1322; 1997; 2573; 3260; 3337; 3359; 3387; 3518; 3608; 3675; 3856; 4131; 4139; 4231; 4705; 4895; 4921; 5068
HphI	GGTGANNNNNNNN!	6	376; 627; 996; 1306; 4426; 4542
HphI	!NNNNNNNTCACC	3	885; 2472; 3533
Hpy8I	GTN!NAC	14	201; 539; 577; 672; 692; 987; 1191; 1200; 1938; 2118; 2402; 2419; 2474; 4961
Hpy99I	CGWCG!	10	754; 1234; 1249; 3445; 3473; 3767; 3782; 4059; 4444; 5177
Hpy166II	GTN!NAC	14	201; 539; 577; 672; 692; 987; 1191; 1200; 1938; 2118; 2402; 2419; 2474; 4961
Hpy188I	TCN!GA	14	585; 699; 1330; 1697; 2529; 3138; 3322; 3666; 4019; 4120; 4599; 4733; 5086; 5164
Hpy188III	TC!NNGA	28	1176; 1322; 1334; 1477; 1486; 1531; 1576; 1733; 2003; 2782; 2834; 3147; 3200; 3373; 3689; 3698; 3781; 3837; 3881; 3971; 4004; 4073; 4554; 4628; 4711; 4809; 4907; 5041
HpyAV	CCTTCNNNNNN!	6	780; 828; 873; 4000; 4107; 4786
HpyAV	!NNNNNGAAGG	10	700; 1072; 1458; 2588; 3483; 4212; 4228; 4411; 4728; 5038
HpyCH4III	ACN!GT	18	76; 198; 269; 543; 581; 669; 1524; 1545; 1787; 1807; 2446; 3735; 3851; 3959; 4282; 4773; 5243; 5314
HpyCH4IV	A!CGT	17	122; 134; 175; 258; 339; 444; 968; 1196; 1244; 2415; 2427; 2470; 2580; 3471; 3658; 4439; 4572
HpyCH4V	TG!CA	21	692; 1014; 1130; 1753; 1795; 2104; 2131; 2199; 2916; 2925; 2988; 2997; 3112; 3188; 3247; 3406; 3581; 3595; 4665; 4961; 5328
HpyF3I	C!TNAG	10	869; 1327; 1593; 1986; 2835; 3137; 4018; 4467; 4590; 4999
HpyF10VI	GCNNNNN!NNGC	31	90; 212; 244; 283; 376; 400; 648; 1079; 1442; 1624; 1750; 1918; 2582; 2612; 2639; 2681; 2922; 2994; 3045; 3124; 3346; 3430; 3453; 3592; 3715; 3798; 4065; 4252; 4456; 4655; 5227
Hsp92I	GR!CGYC	8	122; 175; 258; 444; 1187; 3355; 4057; 4136

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Hsp92II	CATG!	28	304; 364; 615; 642; 648; 660; 738; 804; 884; 1088; 1095; 1344; 1480; 1821; 1866; 2785; 2925; 2997; 3088; 3229; 3574; 3760; 3791; 3817; 4173; 4557; 5277; 5328
HspAI	G!CGC	24	595; 1082; 1289; 1355; 2619; 2627; 2653; 2675; 2684; 2697; 2728; 3347; 3355; 3419; 3456; 3722; 3982; 4158; 4244; 4647; 4756; 4930; 5030; 5097
KasI	G!GCGCC	1	3354
KfII	GG!GWCCC	0	
KpnI	GGTAC!C	0	
Kpn2I	T!CCGGA	1	1321
KspI	CCGC!GG	0	
Ksp22I	T!GATCA	1	2012
KspAI	GTT!AAC	1	2118
Kzo9I	!GATC	24	585; 1124; 1150; 1330; 1746; 1990; 1999; 2012; 3192; 3196; 3215; 3526; 3604; 3685; 3694; 3772; 4148; 4164; 4523; 4535; 4613; 4621; 4632; 4707
LguI	GCTCTCN!	0	
LguI	!NNNNGAAGAGC	2	3699; 3909
LpnI	RGC!GCGY	6	596; 1290; 2620; 2628; 3356; 5031
LpnPI	CCDGNNNNNNNNN!	68	102; 295; 614; 742; 799; 848; 881; 943; 958; 1007; 1087; 1111; 1135; 1197; 1284; 1335; 1411; 1680; 1719; 1789; 1919; 1935; 1977; 2010; 2092; 2397; 2586; 2809; 2847; 2863; 2903; 2958; 2975; 3075; 3160; 3273; 3350; 3372; 3395; 3531; 3545; 3564; 3621; 3688; 3738; 3754; 3811; 3869; 4078; 4144; 4168; 4244; 4333; 4436; 4469; 4700; 4718; 4864; 4884; 4908; 4934; 4983; 5081; 5126; 5156; 5235; 5260; 5297
LpnPI	!NNNNNNNNNNNNNCHGG	63	75; 268; 552; 586; 772; 820; 916; 1017; 1060; 1169; 1195; 1268; 1307; 1367; 1402; 1556; 1665; 1718; 1762; 1892; 1950; 1982; 2438; 2558; 2615; 2678; 2876; 2888; 2948; 2960; 3192; 3237; 3280; 3322; 3344; 3372; 3419; 3481; 3503; 3593; 3660; 3683; 3727; 3822; 3841; 3866; 4015; 4116; 4159; 4216; 4306; 4409; 4436; 4454; 4690; 4727; 4880; 4906; 5046; 5064; 5099; 5180; 5233
Lsp1109I	GCAGCNNNNNNNN!	10	821; 1263; 1636; 1968; 2143; 3428; 3470; 3991; 4444; 4944
Lsp1109I	!NNNNNNNNNNNNNGCTGC	8	940; 1491; 2637; 3302; 3486; 3579; 4645; 4851
LweI	GCATCNNNNNN!	7	848; 2171; 2934; 3006; 3654; 3718; 3993
LweI	!NNNNNNNNNGATGC	7	357; 1001; 1169; 3313; 3568; 3784; 5176
MabI	A!CCWGGT	1	2944
MaeI	C!TAG	11	592; 1346; 1408; 1447; 2003; 2204; 2622; 3178; 4193; 4527; 4780
MaeII	A!CGT	17	122; 134; 175; 258; 339; 444; 968; 1196; 1244; 2415; 2427; 2470; 2580; 3471; 3658; 4439; 4572
MaeIII	!GTNAC	15	61; 148; 497; 891; 1087; 1981; 2143; 2644; 2656; 3475; 3781; 4471; 4737; 4853; 4916
MalI	GA!TC	24	587; 1126; 1152; 1332; 1748; 1992; 2001; 2014; 3194; 3198; 3217; 3528; 3606; 3687; 3696; 3774; 4150; 4166; 4525; 4537; 4615; 4623; 4634; 4709
MaqI	CRTTGACNNNNNNNNNNNNNNNNNNNNNN!	4	144; 197; 466; 540
MaqI	!NNNNNNNNNNNNNNNNNNNGTCAAYG	3	157; 240; 426
MauBI	CG!CGCGCG	0	
MbiI	CCG!CTC	2	2779; 3968
MbiI	GAG!CGG	2	2615; 4022
MboI	!GATC	24	585; 1124; 1150; 1330; 1746; 1990; 1999; 2012; 3192; 3196; 3215; 3526; 3604; 3685; 3694; 3772; 4148; 4164; 4523; 4535; 4613; 4621; 4632; 4707
MboII	GAAGANNNNNNNN!	8	916; 1029; 1940; 2611; 2839; 3716; 3926; 4545
MboII	!NNNNNNNTCTTC	4	4006; 4173; 4373; 4616
McaTI	GCGC!GC	0	
MfeI	C!AATTG	1	2105
MfiI	R!GATCY	12	585; 1150; 1330; 1990; 1999; 3526; 3772; 4164; 4523; 4535; 4621; 4632
MhiI	GDGCH!C	12	667; 694; 727; 1620; 2546; 3301; 3394; 3468; 3658; 3720; 4430; 4963
MisI	TGG!CCA	2	1270; 3437
MluI	A!CGCGT	1	2241
MluNI	TGG!CCA	2	1270; 3437
MlyI	GAGTCNNNNNN!	5	899; 1432; 1666; 2407; 2839
MlyI	!NNNNNGACTC	5	404; 1319; 2414; 4020; 4897

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Mly113I	GG!CGCC	1	3355
MmeI	TCCRACNNNNNNNNNNNNNNNNNNNN!	1	2448
MmeI	!NNNNNNNNNNNNNNNNNNNGTYGGA	2	4880; 5064
MnII	CCTCNNNNNNN!	13	773; 842; 952; 967; 1050; 1183; 2074; 3138; 3956; 4162; 4476; 4846; 5170
MnII	!NNNNNNGAGG	29	541; 654; 693; 714; 747; 864; 973; 1029; 1218; 1251; 1294; 1306; 1345; 1606; 1647; 1691; 1918; 2034; 2499; 2830; 3108; 3151; 3166; 3206; 3270; 3406; 3763; 4193; 5096
Mph1103I	ATGCA!T	3	2927; 2999; 5330
MreI	CG!CCGGCG	0	
MroI	T!CCGGA	1	1321
MroNI	G!CCGGC	3	2572; 3855; 4138
MroXI	GAANN!NNTTC	0	
MscI	TGG!CCA	2	1270; 3437
MseI	T!TAA	18	7; 629; 854; 1685; 2056; 2117; 2238; 2259; 2270; 2282; 2293; 2310; 2408; 2679; 4498; 4512; 4517; 4569
MslI	CAYNN!NNRTG	4	365; 613; 643; 3792
MspI	C!CGG	21	601; 835; 1184; 1322; 1997; 2573; 3260; 3337; 3359; 3387; 3518; 3608; 3675; 3856; 4131; 4139; 4231; 4705; 4895; 4921; 5068
Msp20I	TGG!CCA	2	1270; 3437
MspA1I	CMG!CKG	6	1063; 1570; 2853; 3461; 4690; 4935
MspCI	C!TTAAG	0	
MspJI	CNNRRNNNNNNNN!	270	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; 837; 856; 880; 893; 909; 927; 941; 957; 970; 984; 1005; 1018; 1039; 1058; 1072; 1086; 1104; 1117; 1134; 1147; 1161; 1174; 1188; 1209; 1222; 1241; 1260; 1283; 1304; 1334; 1348; 1363; 1378; 1394; 1410; 1429; 1449; 1482; 1498; 1525; 1543; 1583; 1600; 1623; 1641; 1659; 1679; 1692; 1708; 1723; 1745; 1762; 1788; 1802; 1830; 1844; 1875; 1897; 1910; 1925; 1954; 1967; 1998; 2015; 2028; 2043; 2062; 2079; 2092; 2133; 2147; 2160; 2178; 2216; 2231; 2249; 2290; 2314; 2334; 2352; 2373; 2396; 2428; 2443; 2465; 2483; 2496; 2517; 2534; 2547; 2560; 2576; 2589; 2619; 2634; 2659; 2677; 2690; 2705; 2729; 2743; 2767; 2792; 2808; 2846; 2862; 2901; 2915; 2929; 2957; 2973; 2987; 3001; 3030; 3043; 3064; 3073; 3095; 3125; 3141; 3159; 3189; 3212; 3236; 3260; 3279; 3307; 3333; 3349; 3362; 3385; 3399; 3419; 3432; 3446; 3465; 3479; 3492; 3508; 3523; 3536; 3552; 3567; 3583; 3608; 3627; 3643; 3656; 3669; 3687; 3701; 3715; 3731; 3753; 3769; 3788; 3810; 3826; 3849; 3868; 3882; 3898; 3912; 3932; 3948; 3961; 3983; 4016; 4030; 4050; 4063; 4077; 4131; 4144; 4167; 4180; 4199; 4216; 4243; 4279; 4312; 4331; 4356; 4377; 4404; 4417; 4434; 4448; 4463; 4479; 4539; 4564; 4580; 4602; 4615; 4629; 4660; 4674; 4699; 4717; 4732; 4745; 4764; 4777; 4792; 4821; 4840; 4858; 4883; 4898; 4917; 4933; 4952; 4970; 4986; 5000; 5019; 5046; 5069; 5091; 5110; 5125; 5138; 5155; 5175; 5202; 5215; 5234; 5259; 5282; 5296; 5309; 5326

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MspJI	!NNNNNNNNNNNNNNYNG	220	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; 811; 830; 854; 887; 916; 958; 980; 1013; 1033; 1060; 1078; 1095; 1113; 1141; 1162; 1183; 1207; 1229; 1252; 1269; 1307; 1327; 1347; 1368; 1394; 1412; 1433; 1463; 1485; 1510; 1538; 1557; 1580; 1607; 1625; 1649; 1666; 1688; 1718; 1736; 1762; 1804; 1849; 1892; 1939; 1957; 1983; 2007; 2036; 2065; 2107; 2190; 2228; 2252; 2275; 2304; 2348; 2370; 2402; 2438; 2455; 2476; 2513; 2533; 2550; 2567; 2602; 2620; 2638; 2655; 2679; 2701; 2728; 2756; 2782; 2820; 2841; 2858; 2876; 2899; 2920; 2948; 2971; 2992; 3010; 3031; 3048; 3071; 3095; 3115; 3133; 3155; 3186; 3208; 3234; 3253; 3270; 3298; 3317; 3336; 3354; 3372; 3393; 3415; 3439; 3472; 3492; 3510; 3531; 3557; 3584; 3601; 3618; 3635; 3661; 3683; 3705; 3723; 3743; 3762; 3784; 3822; 3842; 3866; 3886; 3906; 3933; 3957; 3990; 4009; 4037; 4059; 4088; 4116; 4141; 4160; 4179; 4200; 4217; 4234; 4265; 4292; 4312; 4335; 4355; 4392; 4409; 4428; 4454; 4474; 4513; 4540; 4559; 4577; 4614; 4632; 4673; 4691; 4717; 4734; 4766; 4795; 4823; 4844; 4867; 4886; 4907; 4925; 4942; 4960; 4986; 5007; 5027; 5047; 5065; 5086; 5112; 5129; 5148; 5167; 5196; 5215; 5233; 5252; 5270; 5288; 5311
MspR9I	CC!NGG	24	90; 283; 787; 836; 931; 946; 1075; 1184; 1777; 1907; 1965; 2891; 2946; 2963; 3359; 3519; 3742; 4132; 4321; 4424; 4896; 5114; 5127; 5248
MssI	GTTT!AAAC	0	
MunI	C!AATTG	1	2105
MvaI	CC!WGG	18	90; 283; 787; 931; 946; 1075; 1777; 1907; 1965; 2891; 2946; 2963; 3742; 4321; 4424; 5114; 5127; 5248
Mva1269I	GAATGCN!	1	2106
Mva1269I	G!CATTC	1	2199
MvnI	CG!CG	15	60; 2243; 2279; 2655; 2675; 2699; 2730; 3421; 3722; 4160; 4244; 4307; 4376; 4649; 5230
MvrI	CGAT!CG	0	
MwoI	GCNNNNN!NNGC	31	90; 212; 244; 283; 376; 400; 648; 1079; 1442; 1624; 1750; 1918; 2582; 2612; 2639; 2681; 2922; 2994; 3045; 3124; 3346; 3430; 3453; 3592; 3715; 3798; 4065; 4252; 4456; 4655; 5227
NaeI	GCC!GGC	3	2574; 3857; 4140
NarI	GG!CGCC	1	3355
NciI	CC!SGG	6	836; 1184; 3359; 3519; 4132; 4896
NcoI	C!CATGG	5	360; 611; 1340; 3084; 3787
NdeI	CA!TATG	1	234
NdeII	!GATC	24	585; 1124; 1150; 1330; 1746; 1990; 1999; 2012; 3192; 3196; 3215; 3526; 3604; 3685; 3694; 3772; 4148; 4164; 4523; 4535; 4613; 4621; 4632; 4707
NgoAVIII	GACNNNNNTGANNNNNNNNNNN!	2	280; 1962
NgoAVIII	!NNNNNNNNNNNTCANNNNNGTC	1	731
NgoAVIII	TCANNNNNGTCNNNNNNNNNNNN!	1	767
NgoAVIII	!NNNNNNNNNNNGACNNNNNTGA	2	244; 1926
NgoMIV	G!CCGGC	3	2572; 3855; 4138
NheI	G!CTAGC	1	591
NlaIII	CATG!	28	304; 364; 615; 642; 648; 660; 738; 804; 884; 1088; 1095; 1344; 1480; 1821; 1866; 2785; 2925; 2997; 3088; 3229; 3574; 3760; 3791; 3817; 4173; 4557; 5277; 5328
NlaIV	GGN!NCC	19	467; 666; 726; 1117; 1320; 1992; 2510; 2531; 2543; 2734; 2895; 2967; 3356; 3391; 4239; 4318; 4363; 5206; 5245
NlaCI	CATCACNNNNNNNNNNNNNNNNNN!	3	2187; 2502; 4094
NlaCI	!NNNNNNNNNNNNNNNNNGTGATG	4	347; 991; 1277; 5166
Nlj3877I	CYCGR!G	1	1338
NmeAIII	GCCGAGNNNNNNNNNNNNNNNNNN!	2	3144; 3580
NmeAIII	!NNNNNNNNNNNNNNNNNNCTCGGC	2	1007; 3109
NmeDI	RCCGGYNNNNNNN!	5	612; 2584; 3686; 3867; 4150
NmeDI	!NNNNNNNNNNNNRCCGGY	5	587; 2559; 3661; 3842; 4125
NmuCI	!GTSAC	5	891; 1087; 2644; 3475; 3781
NotI	GC!GGCCGC	0	
NruI	TCG!CGA	0	
NsbI	TGC!GCA	1	3457
NsiI	ATGCA!T	3	2927; 2999; 5330
NspI	RCATG!Y	6	642; 1088; 2925; 2997; 3760; 5277

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
NspV	TT!CGAA	1	4037
OliI	CACNN!NNGTG	1	613
PabI	GTA!C	13	220; 245; 300; 333; 384; 541; 656; 806; 1058; 1413; 1495; 1607; 3662
PacI	TTAAT!TAA	0	
PaeI	GCATG!C	3	2925; 2997; 3760
PaeR7I	C!TCGAG	1	1334
PagI	T!CATGA	3	1476; 2781; 4553
PalAI	GG!CGCGCC	0	
PasI	CC!CWGGG	2	4320; 4423
PauI	G!CGCGC	0	
PceI	AGG!CCT	2	1039; 3176
PciI	A!CATGT	1	5273
PciSI	GCTCTCN!	0	
PciSI	!NNNNGAAGAGC	2	3699; 3909
PcsI	WCGNNNN!NNNCGW	7	1253; 3649; 3726; 3969; 4043; 4436; 4954
PctI	GAATGCN!	1	2106
PctI	G!CATTC	1	2199
PdiI	GCC!GGC	3	2574; 3857; 4140
PdmI	GAANN!NNTTC	0	
PfeI	G!AWTC	9	740; 1217; 1902; 1968; 3840; 3974; 4084; 4121; 5299
Pfl23II	C!GTACG	0	
PfIFI	GACN!NNGTC	1	3473
PfIMI	CCANNNN!NTGG	3	1209; 1381; 1679
PfoI	T!CCNGGA	4	944; 1775; 1905; 4130
PhoI	GG!CC	29	84; 277; 761; 1004; 1039; 1073; 1096; 1118; 1228; 1270; 1374; 1469; 2321; 2463; 3118; 3124; 3133; 3176; 3263; 3437; 3828; 3855; 4364; 4421; 4454; 4799; 5233; 5251; 5262
PinAI	A!CCGGT	1	600
PlaDI	CATCAGNNNNNNNNNNNNNNNNNNNNNN!	2	1852; 3736
PlaDI	!NNNNNNNNNNNNNNNNNNNNCTGATG	2	3301; 3556
PleI	GAGTCNNNN!	5	898; 1431; 1665; 2406; 2838
PleI	!NNNNNGACTC	5	404; 1319; 2414; 4020; 4897
Ple19I	CGAT!CG	0	
PmaCI	CAC!GTG	0	
PmeI	GTTT!AAAC	0	
PmlI	CAC!GTG	0	
PpiI	GAACNNNNNCTCNNNNNNNNNNNNNN!	1	2437
PpiI	!NNNNNNNNGAGNNNNNGTTC	1	4567
PpiI	GAGNNNNNGTTCNNNNNNNNNNNNNN!	1	4599
PpiI	!NNNNNNNGAACNNNNNCTC	1	2405
PpsI	GAGTCNNNN!	5	898; 1431; 1665; 2406; 2838
PpsI	!NNNNNGACTC	5	404; 1319; 2414; 4020; 4897
Ppu10I	A!TGCAT	3	2923; 2995; 5326
Ppu21I	YAC!GTR	3	340; 2471; 3659
PpuMI	RG!GWCCY	0	
PscI	A!CATGT	1	5273
PshAI	GACNN!NNGTC	1	1243
PshBI	AT!TAAT	1	7
PsiI	TTA!TAA	2	2138; 2343
Psp03I	GGWC!C	3	1203; 3874; 4319
Psp5II	RG!GWCCY	0	
Psp6I	!CCWGG	18	88; 281; 785; 929; 944; 1073; 1775; 1905; 1963; 2889; 2944; 2961; 3740; 4319; 4422; 5112; 5125; 5246
Psp1406I	AA!CGTT	0	
Psp124BI	GAGCT!C	0	
PspCI	CAC!GTG	0	
PspEI	G!GTNACC	0	
PspGI	!CCWGG	18	88; 281; 785; 929; 944; 1073; 1775; 1905; 1963; 2889; 2944; 2961; 3740; 4319; 4422; 5112; 5125; 5246
PspLI	C!GTACG	0	
PspN4I	GGN!NCC	19	467; 666; 726; 1117; 1320; 1992; 2510; 2531; 2543; 2734; 2895; 2967; 3356; 3391; 4239; 4318; 4363; 5206; 5245
PspOMI	G!GGCCC	0	
PspOMII	CGCCCARNNNNNNNNNNNNNNNNNNNN!	3	125; 3085; 4084



Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
PspOMII	!NNNNNNNNNNNNNNNNNNNYTGGGCG	1	3487
PspPI	G!GNCC	15	83; 276; 760; 1003; 1095; 1116; 1200; 1372; 1467; 2462; 3871; 4316; 4362; 4420; 4453
PspPPI	RG!GWCCY	0	
PspPRI	CCYCAGNNNNNNNNNNNNNNNN!	3	2908; 2980; 4486
PspPRI	!NNNNNNNNNNNNNNCTGRGG	3	855; 2821; 4016
PspXI	VC!TCGAGB	0	
PsrI	GAACNNNNNNNTACNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGTANNNNNNGTTC	0	
PsrI	GTANNNNNNGTTCNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGAACNNNNNNNTAC	0	
PssI	RGGNC!CY	1	4456
PstI	CTGCA!G	0	
PstNI	CAGNNN!CTG	2	4456; 4864
PsuI	R!GATCY	12	585; 1150; 1330; 1990; 1999; 3526; 3772; 4164; 4523; 4535; 4621; 4632
PsyI	GACN!NNGTC	1	3473
PteI	G!CGCGC	0	
PvuI	CGAT!CG	0	
PvuII	CAG!CTG	3	1570; 2853; 3461
RcaI	T!CATGA	3	1476; 2781; 4553
RceI	CATCGACNNNNNNNNNNNNNNNNNN!	1	3870
RceI	!NNNNNNNNNNNNNNNNNGTCGATG	0	
RgaI	GCGAT!CGC	0	
RigI	GGCCGG!CC	0	
RleAI	CCCACANNNNNNNNNNNN!	1	2084
RleAI	!NNNNNNNNNTGTGGG	0	
RpaBI	CCCGCAGNNNNNNNNNNNNNNNNNN!	0	
RpaBI	!NNNNNNNNNNNNNNNNNNCTGCGGG	0	
RpaB5I	CGRGACNNNNNNNNNNNNNNNNNN!	0	
RpaB5I	!NNNNNNNNNNNNNNNNNGTCCYCG	0	
RruI	TCG!CGA	0	
RsaI	GT!AC	13	219; 244; 299; 332; 383; 540; 655; 805; 1057; 1412; 1494; 1606; 3661
RsaNI	G!TAC	13	218; 243; 298; 331; 382; 539; 654; 804; 1056; 1411; 1493; 1605; 3660
RseI	CAYNN!NNRTG	4	365; 613; 643; 3792
RsrII	CG!GWCCG	1	3871
Rsr2I	CG!GWCCG	1	3871
SacI	GAGCT!C	0	
SacII	CCGC!GG	0	
SalI	G!TCGAC	0	
SapI	GCTCTCN!	0	
SapI	!NNNNGAAGAGC	2	3699; 3909
SaqAI	T!TAA	18	7; 629; 854; 1685; 2056; 2117; 2238; 2259; 2270; 2282; 2293; 2310; 2408; 2679; 4498; 4512; 4517; 4569
SatI	GC!NGC	36	759; 810; 954; 1071; 1252; 1505; 1625; 1957; 2132; 2651; 2673; 2687; 3125; 3264; 3316; 3327; 3417; 3422; 3459; 3500; 3587; 3590; 3593; 3829; 3925; 3966; 3980; 4094; 4433; 4448; 4659; 4865; 4868; 4933; 5076; 5231
Sau96I	G!GNCC	15	83; 276; 760; 1003; 1095; 1116; 1200; 1372; 1467; 2462; 3871; 4316; 4362; 4420; 4453
Sau3AI	!GATC	24	585; 1124; 1150; 1330; 1746; 1990; 1999; 2012; 3192; 3196; 3215; 3526; 3604; 3685; 3694; 3772; 4148; 4164; 4523; 4535; 4613; 4621; 4632; 4707
SbfI	CCTGCA!GG	0	
ScaI	AGT!ACT	1	1412
SchI	GAGTCNNNNN!	5	899; 1432; 1666; 2407; 2839
SchI	!NNNNNGACTC	5	404; 1319; 2414; 4020; 4897
SciI	CTC!GAG	1	1336
ScrFI	CC!NGG	24	90; 283; 787; 836; 931; 946; 1075; 1184; 1777; 1907; 1965; 2891; 2946; 2963; 3359; 3519; 3742; 4132; 4321; 4424; 4896; 5114; 5127; 5248
SdaI	CCTGCA!GG	0	
SdeAI	CAGRAGNNNNNNNNNNNNNNNNNN!	6	1041; 1933; 2933; 3005; 3174; 5116
SdeAI	!NNNNNNNNNNNNNNNNNNCTYCTG	3	1394; 3510; 3995

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SdeOSI	GACNNNNRTGANNNNNNNNNNNN!	1	279
SdeOSI	!NNNNNNNNNNNTCAYNNNNNGTC	0	
SdeOSI	TCAYNNNNNGTCNNNNNNNNNNNN!	0	
SdeOSI	!NNNNNNNNNNNGACNNNNRTGA	1	245
SduI	GDGCH!C	12	667; 694; 727; 1620; 2546; 3301; 3394; 3468; 3658; 3720; 4430; 4963
SelI	!CGCG	15	58; 2241; 2277; 2653; 2673; 2697; 2728; 3419; 3720; 4158; 4242; 4305; 4374; 4647; 5228
SetI	ASST!	74	125; 137; 178; 261; 308; 342; 447; 552; 568; 626; 653; 749; 799; 820; 971; 977; 1106; 1124; 1136; 1175; 1199; 1243; 1247; 1262; 1305; 1311; 1320; 1572; 1594; 1728; 1767; 1833; 1875; 1943; 2045; 2066; 2075; 2087; 2136; 2303; 2418; 2430; 2473; 2510; 2560; 2583; 2707; 2855; 2950; 3143; 3256; 3384; 3463; 3474; 3546; 3617; 3661; 3921; 4067; 4111; 4442; 4473; 4532; 4575; 4718; 4739; 4838; 4975; 4990; 5009; 5021; 5065; 5111; 5162
SexAI	A!CCWGGT	1	2944
SfaAI	GCGAT!CGC	0	
SfaNI	GCATCNNNNN!	7	848; 2171; 2934; 3006; 3654; 3718; 3993
SfaNI	!NNNNNNNNNGATGC	7	357; 1001; 1169; 3313; 3568; 3784; 5176
SfcI	C!TRYAG	4	1608; 2690; 4817; 5008
SfiI	GGCCNNNN!NGGCC	1	3130
SfoI	GGC!GCC	1	3356
Sfr274I	C!TCGAG	1	1334
Sfr303I	CCGC!GG	0	
SfuI	TT!CGAA	1	4037
SgeI	CNNGNNNNNNNNN!	208	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; 837; 856; 880; 893; 921; 942; 957; 984; 1006; 1039; 1059; 1072; 1086; 1104; 1117; 1134; 1147; 1167; 1188; 1209; 1222; 1260; 1283; 1304; 1334; 1348; 1363; 1383; 1410; 1429; 1454; 1489; 1543; 1583; 1633; 1679; 1692; 1714; 1745; 1762; 1788; 1830; 1875; 1918; 1934; 1965; 2009; 2062; 2091; 2133; 2216; 2254; 2290; 2374; 2396; 2428; 2465; 2483; 2502; 2517; 2559; 2576; 2593; 2628; 2642; 2659; 2681; 2705; 2729; 2794; 2808; 2846; 2862; 2902; 2915; 2934; 2957; 2974; 2987; 3006; 3036; 3057; 3074; 3097; 3132; 3159; 3190; 3212; 3238; 3260; 3279; 3307; 3343; 3362; 3385; 3399; 3419; 3432; 3446; 3465; 3479; 3498; 3530; 3544; 3557; 3583; 3614; 3627; 3644; 3661; 3675; 3692; 3710; 3725; 3753; 3769; 3788; 3810; 3826; 3849; 3868; 3893; 3912; 3932; 3959; 3983; 4016; 4035; 4063; 4077; 4143; 4167; 4182; 4205; 4226; 4243; 4291; 4318; 4332; 4361; 4385; 4418; 4435; 4455; 4468; 4481; 4539; 4566; 4585; 4615; 4640; 4660; 4674; 4699; 4717; 4754; 4792; 4821; 4849; 4863; 4883; 4898; 4919; 4933; 4952; 4970; 4986; 5026; 5046; 5073; 5091; 5112; 5125; 5138; 5155; 5179; 5202; 5234; 5259; 5286; 5308
SgeI	!NNNNNNNNNNNNNCNNG	182	10; 45; 71; 97; 197; 226; 264; 281; 310; 347; 381; 400; 465; 522; 553; 578; 598; 625; 643; 673; 697; 715; 739; 772; 811; 830; 854; 895; 916; 958; 980; 1013; 1033; 1060; 1078; 1099; 1121; 1141; 1162; 1183; 1207; 1234; 1257; 1278; 1308; 1327; 1347; 1368; 1394; 1428; 1463; 1517; 1557; 1607; 1653; 1688; 1719; 1736; 1762; 1804; 1849; 1892; 1939; 1983; 2036; 2065; 2107; 2190; 2228; 2264; 2348; 2370; 2402; 2439; 2457; 2476; 2533; 2550; 2567; 2602; 2620; 2640; 2660; 2679; 2703; 2768; 2820; 2876; 2908; 2931; 2948; 2980; 3010; 3031; 3048; 3071; 3106; 3133; 3164; 3186; 3212; 3234; 3253; 3281; 3317; 3336; 3359; 3380; 3398; 3415; 3439; 3472; 3504; 3531; 3557; 3588; 3618; 3635; 3661; 3684; 3705; 3727; 3747; 3767; 3784; 3823; 3842; 3867; 3886; 3906; 3933; 3957; 3990; 4009; 4037; 4059; 4117; 4141; 4160; 4179; 4200; 4217; 4265; 4292; 4312; 4335; 4359; 4392; 4409; 4429; 4455; 4513; 4540; 4559; 4589; 4614; 4634; 4673; 4691; 4728; 4766; 4795; 4823; 4844; 4872; 4893; 4926; 4944; 5000; 5020; 5047; 5065; 5086; 5112; 5129; 5153; 5176; 5208; 5233; 5260; 5282; 5311
SgfI	GCGAT!CGC	0	
SgrAI	CR!CCGGYG	0	
SgrBI	CCGC!GG	0	
SgrDI	CG!TCGACG	0	
SgsI	GG!CGGCC	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SimI	GGIGTC	4	27; 2502; 4289; 5082
SimI	!GACCC	5	106; 1363; 3783; 4351; 4599
SinI	G!GWCC	3	1200; 3871; 4316
SlaI	C!TCGAG	1	1334
SmaI	CCC!GGG	0	
SmiI	ATTT!AAAT	0	
SmiMI	CAYNN!NNRTG	4	365; 613; 643; 3792
SmlI	C!TYRAG	7	1135; 1174; 1334; 3746; 4628; 4905; 5167
SmoI	C!TYRAG	7	1135; 1174; 1334; 3746; 4628; 4905; 5167
SmuI	CCCGCNNNN!	10	93; 119; 286; 1068; 1170; 2677; 3032; 3053; 4249; 4381
SmuI	!NNNNNNGCGGG	6	1105; 2608; 3478; 4015; 4153; 4300
SnaBI	TAC!GTA	1	340
SpeI	A!CTAGT	1	1407
SphI	GCATG!C	3	2925; 2997; 3760
SrfI	GCCC!GGGC	0	
Sse9I	!AATT	13	18; 1471; 1480; 1914; 2105; 2169; 2247; 2273; 2284; 2931; 3003; 3095; 4513
Sse8387I	CCTGCA!GG	0	
Sse8647I	AG!GWCCCT	0	
SseBI	AGG!CCT	2	1039; 3176
SsiI	C!CGC	34	58; 86; 98; 112; 279; 507; 589; 923; 1061; 1163; 2670; 2673; 2687; 2777; 3025; 3037; 3046; 3058; 3068; 3079; 3125; 3264; 3327; 3829; 3874; 3940; 3966; 4091; 4094; 4242; 4374; 4681; 4825; 5321
SsiI	G!CGG	26	370; 403; 528; 758; 1070; 1112; 2615; 2642; 2730; 2840; 3421; 3485; 3586; 3589; 3869; 3924; 4022; 4160; 4307; 4447; 4690; 4935; 5056; 5075; 5202; 5230
SspI	AAT!ATT	3	1859; 2263; 2816
SspDI	G!GCGCC	1	3354
SspD5I	GGTGANNNNNNNN!	6	376; 627; 996; 1306; 4426; 4542
SspD5I	!NNNNNNNNTCACC	3	884; 2471; 3532
SstI	GAGCT!C	0	
SstII	CCGC!GG	0	
SstE37I	CGAAGACNNNNNNNNNNNNNNNNNNNN!	1	929
SstE37I	!NNNNNNNNNNNNNNNNNGTCTTCG	0	
Sth132I	CCCGNNNN!	19	92; 118; 285; 851; 1067; 1169; 1190; 2554; 2676; 3031; 3052; 3365; 3768; 3907; 3978; 4248; 4380; 4610; 5048
Sth132I	!NNNNNNNNGCGGG	22	15; 407; 470; 827; 900; 1104; 1362; 2555; 2607; 2708; 3435; 3477; 3510; 4014; 4123; 4152; 4299; 4403; 4434; 4887; 4931; 5139
Sth302II	CC!GG	21	602; 836; 1185; 1323; 1998; 2574; 3261; 3338; 3360; 3388; 3519; 3609; 3676; 3857; 4132; 4140; 4232; 4706; 4896; 4922; 5069
StrI	C!TCGAG	1	1334
StsI	GGATGNNNNNNNNNN!	4	3223; 3680; 3705; 4159
StsI	!NNNNNNNNNNNNNNCATCC	4	680; 768; 825; 3027
StuI	AGG!CCT	2	1039; 3176
StyI	C!CWWGG	7	360; 611; 1340; 3084; 3177; 3787; 4192
StyD4I	!CCNGG	24	88; 281; 785; 834; 929; 944; 1073; 1182; 1775; 1905; 1963; 2889; 2944; 2961; 3357; 3517; 3740; 4130; 4319; 4422; 4894; 5112; 5125; 5246
SwaI	ATTT!AAAT	0	
TaaI	ACN!GT	18	76; 198; 269; 543; 581; 669; 1524; 1545; 1787; 1807; 2446; 3735; 3851; 3959; 4282; 4773; 5243; 5314
TaiI	ACGT!	17	125; 137; 178; 261; 342; 447; 971; 1199; 1247; 2418; 2430; 2473; 2583; 3474; 3661; 4442; 4575
TaqI	T!CGA	18	752; 779; 1247; 1335; 1350; 1769; 1840; 2504; 3195; 3468; 3624; 3648; 3684; 3846; 4037; 4082; 4337; 5175
TaqII	GACCGANNNNNNNNNN!	3	2375; 3392; 4060
TaqII	!NNNNNNNNNTCGGTC	1	4304
TaqII	CACCCANNNNNNNNNN!	1	742
TaqII	!NNNNNNNNNTGGGTG	3	172; 3259; 3851
TasI	!AATT	13	18; 1471; 1480; 1914; 2105; 2169; 2247; 2273; 2284; 2931; 3003; 3095; 4513
TatI	W!GTACW	7	217; 297; 330; 381; 653; 1410; 1604
TauI	GCSG!C	17	761; 1073; 2675; 2689; 3127; 3266; 3329; 3424; 3589; 3592; 3831; 3927; 3968; 4096; 4450; 5078; 5233

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
TfiI	G!AWTC	9	740; 1217; 1902; 1968; 3840; 3974; 4084; 4121; 5299
TliI	C!TCGAG	1	1334
Tru1I	T!TAA	18	7; 629; 854; 1685; 2056; 2117; 2238; 2259; 2270; 2282; 2293; 2310; 2408; 2679; 4498; 4512; 4517; 4569
Tru9I	T!TAA	18	7; 629; 854; 1685; 2056; 2117; 2238; 2259; 2270; 2282; 2293; 2310; 2408; 2679; 4498; 4512; 4517; 4569
TscAI	CASTGNN!	6	1978; 2201; 3484; 4594; 4865; 4878
TseI	G!CWGC	19	809; 953; 1251; 1504; 1624; 1956; 2131; 2650; 3315; 3416; 3458; 3499; 3592; 3979; 4432; 4658; 4864; 4867; 4932
TsoI	TARCCANNNNNNNNNNN!	2	2327; 2674
TsoI	!NNNNNNNNNTGGYTA	4	778; 1333; 2132; 3884
Tsp45I	!GTSAC	5	891; 1087; 2644; 3475; 3781
Tsp509I	!AATT	13	18; 1471; 1480; 1914; 2105; 2169; 2247; 2273; 2284; 2931; 3003; 3095; 4513
TspDTI	ATGAANNNNNNNNNNN!	6	661; 1493; 1858; 2113; 3414; 4118
TspDTI	!NNNNNNNNNTTCAT	9	26; 789; 810; 1465; 1806; 1851; 3832; 4288; 4495
TspEI	!AATT	13	18; 1471; 1480; 1914; 2105; 2169; 2247; 2273; 2284; 2931; 3003; 3095; 4513
TspGWI	ACGGANNNNNNNNNNN!	1	4230
TspGWI	!NNNNNNNNNTCCGT	0	
TspMI	C!CCGGG	0	
TspRI	CASTGNN!	6	1978; 2201; 3484; 4594; 4865; 4878
TstI	CACNNNNNNNTCCNNNNNNNNNNNN!	0	
TstI	!NNNNNNNGGANNNNNNGTG	0	
TstI	GGANNNNNNGTGNNNNNNNNNNNN!	0	
TstI	!NNNNNNNCCACNNNNNNNTCC	0	
Tth111I	GACN!NNGTC	1	3473
Tth111II	CAARCANNNNNNNNNNN!	3	841; 1637; 4682
Tth111II	!NNNNNNNNNTGYTTG	3	3790; 4650; 4689
UnbI	!GGNCC	15	82; 275; 759; 1002; 1094; 1115; 1199; 1371; 1466; 2461; 3870; 4315; 4361; 4419; 4452
Van9II	CCANNNN!NTGG	3	1209; 1381; 1679
Vha464I	C!TTAAG	0	
VneI	G!TGCAC	2	690; 4959
VpaK11AI	!GGWCC	3	1199; 3870; 4315
VpaK11BI	G!GWCC	3	1200; 3871; 4316
VspI	AT!TAAT	1	7
XagI	CCTNN!NNNAGG	0	
XapI	R!AATTY	5	1480; 1914; 2169; 2273; 2284
XbaI	T!CTAGA	1	2002
XceI	RCATG!Y	6	642; 1088; 2925; 2997; 3760; 5277
XcmI	CCANNNNN!NNNTGG	0	
XhoI	C!TCGAG	1	1334
XhoII	R!GATCY	12	585; 1150; 1330; 1990; 1999; 3526; 3772; 4164; 4523; 4535; 4621; 4632
XmaI	C!CCGGG	0	
XmaJI	C!CTAGG	2	3177; 4192
XmiI	GT!MKAC	2	1190; 1937
XmnI	GAANN!NNTTC	0	
XspI	C!TAG	11	592; 1346; 1408; 1447; 2003; 2204; 2622; 3178; 4193; 4527; 4780
ZraI	GAC!GTC	4	123; 176; 259; 445
ZrmI	AGT!ACT	1	1412
Zsp2I	ATGCA!T	3	2927; 2999; 5330