

## pFusionRed-Cx26 vector

### Table of restriction sites

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AanI	TTA!TAA	2	2221; 2426
AarI	CACCTGCNNNN!	0	
AarI	!NNNNNNNNGCAGGTG	0	
AasI	GACNNNN!NNGTC	3	2509; 3465; 5254
AatI	AGG!CCT	2	1808; 3259
AatII	GACGT!C	4	125; 178; 261; 447
AbsI	CC!TCGAGG	0	
AccI	GT!MKAC	1	1959
AccII	CG!CG	18	60; 635; 800; 1361; 2087; 2362; 2738; 2758; 2782; 2813; 3504; 3805; 4243; 4327; 4390; 4459; 4732; 5313
AccIII	T!CCGGA	0	
Acc16I	TGC!GCA	1	3540
Acc36I	ACCTGCNNNN!	2	3706; 4156
Acc36I	!NNNNNNNNGCAGGT	1	3325
Acc65I	G!GTACC	0	
AccB1I	G!GYRCC	6	465; 1433; 1493; 2591; 3437; 3472
AccB7I	CCANNNN!NTGG	1	1978
AccBSI	CCG!CTC	2	2862; 4051
AccBSI	GAG!CGG	3	2081; 2698; 4105
AceIII	CAGCTCNNNNNNN!	1	2394
AceIII	!NNNNNNNNNNGAGCTG	3	552; 1295; 1379
AciI	C!CGC	38	58; 86; 98; 112; 279; 507; 589; 639; 775; 798; 1692; 1830; 1932; 2085; 2753; 2756; 2770; 2860; 3108; 3120; 3129; 3141; 3151; 3162; 3208; 3347; 3410; 3912; 3957; 4023; 4049; 4174; 4177; 4325; 4457; 4764; 4908; 5404
AciI	G!CGG	29	370; 403; 528; 635; 1361; 1527; 1839; 1881; 2081; 2698; 2725; 2813; 2923; 3504; 3568; 3669; 3672; 3952; 4007; 4105; 4243; 4390; 4530; 4773; 5018; 5139; 5158; 5285; 5313
AclI	AA!CGTT	0	
AclWI	GGATCNNNN!	8	1371; 3306; 3617; 3863; 4255; 4614; 4712; 4798
AclWI	!NNNNNGATCC	8	580; 778; 1358; 1914; 3682; 4226; 4613; 4710
AcoI	Y!GGCCR	8	636; 795; 2037; 2082; 3344; 3518; 3909; 3936
AcsI	R!AATY	5	629; 1281; 2252; 2356; 2367
AcuI	CTGAAGNNNNNNNNNNNNNNN!	3	1889; 3584; 4016
AcuI	!NNNNNNNNNNNNNCTTCAG	1	4814
AcvI	CAC!GTG	1	964
AcyI	GR!CGYC	8	122; 175; 258; 444; 1956; 3438; 4140; 4219
AdeI	CACNNN!GTG	2	2029; 2554
AfaI	GT!AC	11	219; 244; 299; 332; 383; 540; 1154; 1424; 1574; 1826; 3744
AfeI	AGC!GCT	1	596
AfiI	CCNNNN!NNGG	25	49; 673; 741; 793; 910; 1080; 1490; 1769; 1835; 1978; 2450; 2776; 3168; 3419; 3963; 4244; 4276; 4408; 4443; 4493; 4525; 4878; 5157; 5323; 5341
AfIII	C!TTAAG	1	2320
AfIII	A!CRYGT	1	5356
AgeI	A!CCGGT	1	1369
AgsI	TTS!AA	6	1456; 2849; 2893; 2903; 3316; 4892
AhdI	GACNNN!NNGTC	0	
AhlI	A!CTAGT	0	
AjiI	CAC!GTC	0	
AjiI	GAC!GTG	0	
Ajni	!CCWGG	19	88; 281; 853; 948; 1193; 1229; 1554; 1698; 1713; 1842; 2972; 3027; 3044; 3823; 4402; 4505; 5195; 5208; 5329
AjuI	GAANNNNNNNTTGGNNNNNNNNNN!	0	
AjuI	!NNNNNNCCAANNNNNNNTTC	0	
AjuI	CCAANNNNNNNTTCNNNNNNNNNN!	0	
AjuI	!NNNNNNNGAANNNNNNNTTGG	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AleI	CACNN!NNGTG	1	1382
AlfI	GCANNNNNNTGCNNNNNNNNNNNN!	2	3012; 3084
AlfI	!NNNNNNNNNNGCANNNNNTGC	2	2978; 3050
AloI	GAACNNNNNTCCNNNNNNNNNNNN!	1	2520
AloI	!NNNNNNNGGANNNNNNGTTC	0	
AloI	GGANNNNNNGTTCNNNNNNNNNNNN!	0	
AloI	!NNNNNNNGAACNNNNNTCC	1	2488
AluI	AG!CT	22	566; 618; 624; 922; 956; 1124; 1309; 1393; 1420; 1566; 1873; 2217; 2384; 2641; 2936; 3224; 3544; 4002; 4799; 5056; 5102; 5192
AluBI	AG!CT	22	566; 618; 624; 922; 956; 1124; 1309; 1393; 1420; 1566; 1873; 2217; 2384; 2641; 2936; 3224; 3544; 4002; 4799; 5056; 5102; 5192
AlwI	GGATCNNNN!	8	1371; 3306; 3617; 3863; 4255; 4614; 4712; 4798
AlwI	!NNNNNGATCC	8	580; 778; 1358; 1914; 3682; 4226; 4613; 4710
Alw21I	GWGCW!C	5	620; 1463; 3551; 3741; 5046
Alw26I	GTCTCN!	1	434
Alw26I	!NNNNNGAGAC	8	970; 1811; 1901; 2000; 2862; 3280; 4299; 4427
Alw44I	G!TGCAC	2	1459; 5042
AlwNI	CAGNNN!CTG	3	1177; 4539; 4947
Ama87I	C!YCGRG	3	613; 649; 710
Aor13HI	T!CCGGA	0	
Aor51HI	AGC!GCT	1	596
ApaI	GGGCC!C	0	
ApaBI	GCANNNNN!TGC	3	3006; 3078; 4540
ApaLI	G!TGCAC	2	1459; 5042
ApeKI	G!CWGC	18	919; 1171; 1578; 1722; 2020; 2214; 2733; 3398; 3499; 3541; 3582; 3675; 4062; 4515; 4741; 4947; 4950; 5015
ApoI	R!AATY	5	629; 1281; 2252; 2356; 2367
ApyPI	ATCGACNNNNNNNNNNNNNNNNNN!	1	3953
ApyPI	!NNNNNNNNNNNNNNNNNNGTCGAT	3	3747; 4400; 5238
AquI	GCCGNACNNNNNNNNNNNNNNNNNN!	2	664; 3837
AquI	!NNNNNNNNNNNNNNNNNNGTNCGGC	1	1554
AquIII	GAGGAGNNNNNNNNNNNNNNNNNN!	1	3266
AquIII	!NNNNNNNNNNNNNNNNNNCTCCTC	1	627
AquIV	GRGGAAGNNNNNNNNNNNNNNNNNN!	0	
AquIV	!NNNNNNNNNNNNNNNNNNCTCCYC	2	868; 4008
ArsI	GACNNNNNTTYGNNNNNNNNNNNN!	0	
ArsI	!NNNNNNCRAANNNNNNGTC	1	1341
ArsI	CRAANNNNNNGTCNNNNNNNNNNNN!	1	1373
ArsI	!NNNNNNNGACNNNNNTTYG	0	
AscI	GG!CGCGCC	0	
AseI	AT!TAAT	1	7
Asi256I	G!ATC	26	586; 610; 784; 925; 1042; 1267; 1364; 1894; 1920; 2096; 3276; 3280; 3299; 3610; 3688; 3769; 3778; 3856; 4232; 4248; 4607; 4619; 4697; 4705; 4716; 4791
AsiGI	A!CCGGT	1	1369
AsiSI	GCGAT!CGC	0	
AspI	GACN!NNGTC	1	3556
Asp700I	GAANN!NNTTC	0	
Asp718I	G!GTACC	0	
AspA2I	C!CTAGG	2	3260; 4275
AspEI	GACNN!NNGTC	0	
AspLEI	GCG!C	23	597; 1853; 2060; 2704; 2712; 2738; 2760; 2769; 2782; 2813; 3432; 3440; 3504; 3541; 3807; 4067; 4243; 4329; 4732; 4841; 5015; 5115; 5182
AspS9I	G!GNCC	18	83; 276; 943; 1057; 1071; 1083; 1233; 1529; 1772; 1864; 1885; 1969; 2545; 3954; 4399; 4445; 4503; 4536
AssI	AGT!ACT	0	
AsuII	TT!CGAA	3	627; 1119; 4120
AsuC2I	CC!SGG	7	1109; 1605; 1953; 3442; 3602; 4215; 4979
AsuHPI	GGTGANNNNNNNN!	7	376; 1192; 1396; 1765; 2075; 4509; 4625
AsuHPI	!NNNNNNNTCACC	3	1654; 2555; 3616
AsuNHI	G!CTAGC	1	591
AvaI	C!YCGRG	3	613; 649; 710
AvaII	G!GWCC	6	1057; 1071; 1083; 1969; 3954; 4399

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AviII	TGC!GCA	1	3540
AvrII	C!CTAGG	2	3260; 4275
AxyI	CC!TNAGG	3	1638; 2918; 4550
BaeI	ACNNNNGTAYCNNNNNNNNNN!	0	
BaeI	!NNNNNNNGRTACNNNNGT	0	
BaeI	GRTACNNNNGTNNNNNNNNNNNN!	0	
BaeI	!NNNNNNNNNACNNNNGTAYC	0	
BaeGI	GKGC!C	7	695; 1436; 1463; 1496; 3384; 3477; 5046
BalI	TGG!CCA	2	2039; 3520
BamHI	G!GATCC	1	1363
BanI	G!GYRCC	6	465; 1433; 1493; 2591; 3437; 3472
BanII	GRGCY!C	5	620; 916; 2629; 3803; 4513
BanIII	AT!CGAT	1	3278
BarI	GAAGNNNNNTACNNNNNNNNNN!	0	
BarI	!NNNNNNNGTANNNNNNCTTC	1	1145
BarI	GTANNNNNNCTTCNNNNNNNNNN!	1	1177
BarI	!NNNNNNNGAAGNNNNNTAC	0	
BasI	CCANNN!NTGG	1	1978
BauI	C!ACGAG	3	2024; 4156; 5183
BauI	C!TCGTG	3	788; 1874; 4030
BbeI	GGCG!C	1	3441
Bbr7I	GAAGACNNNNNN!	1	1685
Bbr7I	!NNNNNNNNNNNGTCTTC	2	1115; 1238
BbrPI	CAC!GTG	1	964
BbsI	GAAGACNN!	1	1680
BbsI	!NNNNNGTCTTC	2	1120; 1243
BbuI	GCATG!C	3	3008; 3080; 3843
BbvI	GCAGCNNNNNNNN!	10	931; 1183; 1590; 2032; 2226; 3511; 3553; 4074; 4527; 5027
BbvI	!NNNNNNNNNNNGCTGC	7	1709; 2720; 3385; 3569; 3662; 4728; 4934
Bbv12I	GWGCW!C	5	620; 1463; 3551; 3741; 5046
BbvCI	CC!TCAGC	0	
BbvCI	GC!TGAGG	0	
BccI	CCATCNNNN!	6	675; 899; 2568; 3132; 3658; 4160
BccI	!NNNNNGATGG	5	676; 2060; 2536; 3316; 3744
BceAI	ACGGCNNNNNNNNNN!	6	1591; 1735; 1786; 1852; 3864; 4351
BceAI	!NNNNNNNNNNNGCCGT	3	2579; 3397; 4856
BceFI	ACGGCNNNNNNNNNN!	6	1591; 1735; 1786; 1852; 3864; 4351
BceFI	!NNNNNNNNNNNGCCGT	3	2580; 3398; 4857
BcgI	CGANNNNNNTGCNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNGCANNNNNTCG	1	630
BcgI	GCANNNNNNTGCNNNNNNNNNN!	1	664
BcgI	!NNNNNNNNNCGANNNNNNTGC	0	
BciVI	GTATCCNNNNN!	3	2867; 3657; 5158
BciVI	!NNNNNGGATAC	0	
BclI	T!GATCA	1	924
BcnI	CC!SGG	7	1109; 1605; 1953; 3442; 3602; 4215; 4979
BcuI	A!CTAGT	0	
BdaI	TGANNNNNTCANNNNNNNNNN!	1	5291
BdaI	!NNNNNNNNNTGANNNNNTCA	1	5257
BfaI	C!TAG	8	592; 2093; 2287; 2705; 3261; 4276; 4610; 4863
BfiI	ACTGGGNNNNN!	1	3387
BfiI	!NNNCCCAGT	2	289; 3139
BfmI	C!TRYAG	5	698; 917; 2773; 4900; 5091
BfoI	RGCGC!Y	6	598; 2061; 2705; 2713; 3441; 5116
BfrI	C!TTAAG	1	2320
BfuI	GTATCCNNNNN!	3	2867; 3657; 5158
BfuI	!NNNNNGGATAC	0	
BfuAI	ACCTGCNNNN!	2	3706; 4156
BfuAI	!NNNNNNNGCAGGT	1	3325
BfuCI	!GATC	26	585; 609; 783; 924; 1041; 1266; 1363; 1893; 1919; 2095; 3275; 3279; 3298; 3609; 3687; 3768; 3777; 3855; 4231; 4247; 4606; 4618; 4696; 4704; 4715; 4790
BglI	GCCNNNN!NGGC	5	90; 212; 283; 1848; 3213
BglII	A!GATCT	1	609

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BisI	GC!NGC	40	636; 639; 798; 920; 1172; 1528; 1579; 1723; 1840; 2021; 2082; 2085; 2215; 2734; 2756; 2770; 3208; 3347; 3399; 3410; 3500; 3505; 3542; 3583; 3670; 3673; 3676; 3912; 4008; 4049; 4063; 4177; 4516; 4531; 4742; 4948; 4951; 5016; 5159; 5314
BlnI	C!CTAGG	2	3260; 4275
BlpI	GC!TNAGC	0	
BlsI	GCN!GC	40	637; 640; 799; 921; 1173; 1529; 1580; 1724; 1841; 2022; 2083; 2086; 2216; 2735; 2757; 2771; 3209; 3348; 3400; 3411; 3501; 3506; 3543; 3584; 3671; 3674; 3677; 3913; 4009; 4050; 4064; 4178; 4517; 4532; 4743; 4949; 4952; 5017; 5160; 5315
BmcAI	AGT!ACT	0	
Bme18I	G!GWCC	6	1057; 1071; 1083; 1969; 3954; 4399
Bme1390I	CC!NGG	26	90; 283; 855; 950; 1109; 1195; 1231; 1556; 1605; 1700; 1715; 1844; 1953; 2974; 3029; 3046; 3442; 3602; 3825; 4215; 4404; 4507; 4979; 5197; 5210; 5331
BmeRI	GACNNN!NNGTC	0	
BmeT110I	C!YCGRG	3	613; 649; 710
BmgBI	CAC!GTC	0	
BmgBI	GAC!GTG	0	
BmgT120I	GG!NCC	18	84; 277; 944; 1058; 1072; 1084; 1234; 1530; 1773; 1865; 1886; 1970; 2546; 3955; 4400; 4446; 4504; 4537
BmiI	GGN!NCC	20	467; 1072; 1073; 1365; 1435; 1495; 1886; 2593; 2614; 2626; 2817; 2978; 3050; 3439; 3474; 4322; 4401; 4446; 5289; 5328
BmrI	ACTGGGNNNNN!	1	3387
BmrI	!NNNNCCCAGT	2	289; 3139
BmrFI	CC!NGG	26	90; 283; 855; 950; 1109; 1195; 1231; 1556; 1605; 1700; 1715; 1844; 1953; 2974; 3029; 3046; 3442; 3602; 3825; 4215; 4404; 4507; 4979; 5197; 5210; 5331
BmsI	GCATCNNNNN!	11	714; 786; 1107; 1296; 1617; 2254; 3017; 3089; 3737; 3801; 4076
BmsI	!NNNNNNNNNGATGC	7	357; 1770; 1938; 3396; 3651; 3867; 5259
BmtI	GCTAG!C	1	595
BmuI	ACTGGGNNNNN!	1	3387
BmuI	!NNNNCCCAGT	2	289; 3139
BoxI	GACNN!NNGTC	1	2012
BpiI	GAAGACNN!	1	1680
BpiI	!NNNNNNGTCTTC	2	1120; 1243
BpI	GAGNNNNNCTCNNNNNNNNNNNN!	2	3227; 4126
BpI	!NNNNNNNNGAGNNNNNCTC	2	3195; 4094
BpmI	CTGGAGNNNNNNNNNNNNNNNN!	1	4278
BpmI	!NNNNNNNNNNNNNNNCTCCAG	3	833; 1697; 4221
Bpu10I	CC!TNAGC	0	
Bpu10I	GC!TNAGG	1	1336
Bpu14I	TT!CGAA	3	627; 1119; 4120
Bpu1102I	GC!TNAGC	0	
BpuAI	GAAGACNN!	1	1680
BpuAI	!NNNNNNGTCTTC	2	1120; 1243
BpuEI	CTTGAGNNNNNNNNNNNNNNNN!	3	1925; 4732; 5271
BpuEI	!NNNNNNNNNNNNNCTCAAG	4	604; 1928; 3814; 4973
BpuMI	CC!SGG	7	1109; 1605; 1953; 3442; 3602; 4215; 4979
BpvUI	CGAT!CG	0	
BsaI	GGTCTCN!	0	
BsaI	!NNNNNGAGACC	3	1901; 2000; 4427
Bsa29I	AT!CGAT	1	3278
BsaAI	YAC!GTR	4	340; 964; 2554; 3742
BsaBI	GATNN!NNATC	2	2100; 3297
BsaHI	GR!CGYC	8	122; 175; 258; 444; 1956; 3438; 4140; 4219
BsaJI	C!CNNGG	20	360; 648; 709; 1380; 1467; 1698; 2972; 3044; 3167; 3202; 3211; 3260; 3601; 3870; 4275; 4402; 4403; 4505; 4506; 5196
BsaMI	GAATGCN!	1	2189
BsaMI	G!CATTC	1	2282
BsaWI	W!CCGGW	7	600; 972; 1369; 3469; 4313; 5003; 5150
BsaXI	ACNNNNNCTCCNNNNNNNNNN!	2	743; 2518
BsaXI	!NNNNNNNGGAGNNNNNNGT	0	
BsaXI	GGAGNNNNNGTNNNNNNNNNN!	0	
BsaXI	!NNNNNNNNNACNNNNNCTCC	2	713; 2488

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BsbI	CAACACNNNNNNNNNNNNNNNNNNNN!	1	867
BsbI	!NNNNNNNNNNNNNNNNNNNGTGTG	2	2439; 4346
Bsc4I	CCNNNN!NNGG	25	49; 673; 741; 793; 910; 1080; 1490; 1769; 1835; 1978; 2450; 2776; 3168; 3419; 3963; 4244; 4276; 4408; 4443; 4493; 4525; 4878; 5157; 5323; 5341
BscAI	GCATCNNNN!	11	713; 785; 1106; 1295; 1616; 2253; 3016; 3088; 3736; 3800; 4075
BscAI	!NNNNNNGATGC	7	360; 1773; 1941; 3399; 3654; 3870; 5262
Bse1I	ACTGGN!	5	1983; 2056; 3382; 3583; 4829
Bse1I	C!CAGT	6	295; 1355; 2467; 3145; 4941; 4954
Bse8I	GATNN!NNATC	2	2100; 3297
Bse21I	CC!TNAGG	3	1638; 2918; 4550
Bse118I	R!CCGGY	6	940; 1369; 2655; 3757; 3938; 4221
BseAI	T!CCGGA	0	
BseBI	CC!WGG	19	90; 283; 855; 950; 1195; 1231; 1556; 1700; 1715; 1844; 2974; 3029; 3046; 3825; 4404; 4507; 5197; 5210; 5331
BseCI	AT!CGAT	1	3278
BseDI	C!CNNGG	20	360; 648; 709; 1380; 1467; 1698; 2972; 3044; 3167; 3202; 3211; 3260; 3601; 3870; 4275; 4402; 4403; 4505; 4506; 5196
Bse3DI	GCAATGNN!	1	3671
Bse3DI	!CATTGC	0	
BseGI	GGATGNN!	4	3298; 3755; 3780; 4234
BseGI	!CATCC	8	667; 705; 900; 1287; 1463; 1551; 1608; 3124
BseJI	GATNN!NNATC	2	2100; 3297
BseLI	CCNNNN!NNGG	25	49; 673; 741; 793; 910; 1080; 1490; 1769; 1835; 1978; 2450; 2776; 3168; 3419; 3963; 4244; 4276; 4408; 4443; 4493; 4525; 4878; 5157; 5323; 5341
BseMI	GCAATGNN!	1	3671
BseMI	!CATTGC	0	
BseMII	CTCAGNNNNNNNNNN!	3	620; 1350; 4564
BseMII	!NNNNNNNNCTGAG	6	1629; 2909; 3211; 4092; 4664; 5073
BseNI	ACTGGN!	5	1983; 2056; 3382; 3583; 4829
BseNI	C!CAGT	6	295; 1355; 2467; 3145; 4941; 4954
BsePI	G!CGCGC	0	
BseRI	GAGGAGNNNNNNNNNN!	1	3256
BseRI	!NNNNNNNNCTCCTC	1	637
BseSI	GKGCMI!C	7	695; 1436; 1463; 1496; 3384; 3477; 5046
BseXI	GCAGCNNNNNNNN!	10	931; 1183; 1590; 2032; 2226; 3511; 3553; 4074; 4527; 5027
BseXI	!NNNNNNNNNNNGCTGC	7	1709; 2720; 3385; 3569; 3662; 4728; 4934
BseX3I	C!GGCCG	3	636; 2082; 3344
BseYI	C!CCAGC	4	1762; 2981; 3053; 5052
BseYI	G!CTGGG	2	1800; 3942
BsgI	GTGCAGNNNNNNNNNNNNNNNN!	0	
BsgI	!NNNNNNNNNNNNNNCTGCAC	0	
Bsh1236I	CG!CG	18	60; 635; 800; 1361; 2087; 2362; 2738; 2758; 2782; 2813; 3504; 3805; 4243; 4327; 4390; 4459; 4732; 5313
Bsh1285I	CGRY!CG	5	639; 1374; 2085; 3347; 5022
BshFI	GG!CC	34	84; 277; 638; 797; 944; 968; 1198; 1234; 1530; 1773; 1808; 1842; 1865; 1887; 1997; 2039; 2084; 2404; 2546; 3201; 3207; 3216; 3259; 3346; 3520; 3911; 3938; 4447; 4504; 4537; 4882; 5316; 5334; 5345
BshNI	G!GYRCC	6	465; 1433; 1493; 2591; 3437; 3472
BshTI	A!CCGGT	1	1369
BshVI	AT!CGAT	1	3278
BsiEI	CGRY!CG	5	639; 1374; 2085; 3347; 5022
BsiHKAI	GWGCW!C	5	620; 1463; 3551; 3741; 5046
BsiHKCI	C!YCGRG	3	613; 649; 710
BsiSI	C!CGG	24	601; 904; 941; 973; 1108; 1370; 1604; 1953; 2656; 3343; 3420; 3442; 3470; 3601; 3691; 3758; 3939; 4214; 4222; 4314; 4788; 4978; 5004; 5151
BsiWI	C!GTACG	0	
BsII	CCNNNN!NNGG	25	49; 673; 741; 793; 910; 1080; 1490; 1769; 1835; 1978; 2450; 2776; 3168; 3419; 3963; 4244; 4276; 4408; 4443; 4493; 4525; 4878; 5157; 5323; 5341
BsIFI	GGGACNNNNNNNNNN!	7	175; 326; 494; 666; 3589; 4121; 4230
BsIFI	!NNNNNNNNNNNNNGTCCC	6	1057; 1188; 2954; 3026; 3090; 4385
BsmI	GAATGCN!	1	2189

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BsmI	G!CATTC	1	2282
BsmAI	GTCTCN!	1	434
BsmAI	!NNNNNGAGAC	8	970; 1811; 1901; 2000; 2862; 3280; 4299; 4427
BsmBI	CGTCTCN!	0	
BsmBI	!NNNNNGAGACG	1	1811
BsmFI	GGGACNNNNNNNNNN!	7	175; 326; 494; 666; 3589; 4121; 4230
BsmFI	!NNNNNNNNNNNNNGTCCC	6	1057; 1188; 2954; 3026; 3090; 4385
BsnI	GG!CC	34	84; 277; 638; 797; 944; 968; 1198; 1234; 1530; 1773; 1808; 1842; 1865; 1887; 1997; 2039; 2084; 2404; 2546; 3201; 3207; 3216; 3259; 3346; 3520; 3911; 3938; 4447; 4504; 4537; 4882; 5316; 5334; 5345
Bso31I	GGTCTCN!	0	
Bso31I	!NNNNNGAGACC	3	1901; 2000; 4427
BsoBI	C!YCGRG	3	613; 649; 710
Bsp13I	T!CCGGA	0	
Bsp19I	C!CATGG	4	360; 1380; 3167; 3870
Bsp24I	GACNNNNNTGGNNNNNNNNNN!	2	289; 4241
Bsp24I	!NNNNNNCCANNNNNNNGTC	2	4662; 4840
Bsp24I	CCANNNNNGTCNNNNNNNNNN!	2	4694; 4872
Bsp24I	!NNNNNNNGACNNNNNTGG	2	257; 4209
Bsp68I	TCG!CGA	0	
Bsp119I	TT!CGAA	3	627; 1119; 4120
Bsp120I	G!GGCCC	0	
Bsp143I	!GATC	26	585; 609; 783; 924; 1041; 1266; 1363; 1893; 1919; 2095; 3275; 3279; 3298; 3609; 3687; 3768; 3777; 3855; 4231; 4247; 4606; 4618; 4696; 4704; 4715; 4790
Bsp1286I	GDGCH!C	14	620; 695; 916; 1436; 1463; 1496; 2629; 3384; 3477; 3551; 3741; 3803; 4513; 5046
Bsp1407I	T!GTACA	2	1152; 1422
Bsp1720I	GC!TNAGC	0	
BspACI	C!CGC	38	58; 86; 98; 112; 279; 507; 589; 639; 775; 798; 1692; 1830; 1932; 2085; 2753; 2756; 2770; 2860; 3108; 3120; 3129; 3141; 3151; 3162; 3208; 3347; 3410; 3912; 3957; 4023; 4049; 4174; 4177; 4325; 4457; 4764; 4908; 5404
BspACI	G!CGG	29	370; 403; 528; 635; 1361; 1527; 1839; 1881; 2081; 2698; 2725; 2813; 2923; 3504; 3568; 3669; 3672; 3952; 4007; 4105; 4243; 4390; 4530; 4773; 5018; 5139; 5158; 5285; 5313
BspCNI	CTCAGNNNNNNNN!	3	619; 1349; 4563
BspCNI	!NNNNNNCTGAG	6	1630; 2910; 3212; 4093; 4665; 5074
BspDI	AT!CGAT	1	3278
BspD6I	GACTCNNNN!	6	418; 612; 2097; 2511; 4117; 4994
BspD6I	!NNNNNGAGTC	3	1652; 2474; 2906
BspEI	T!CCGGA	0	
BspFNI	CG!CG	18	60; 635; 800; 1361; 2087; 2362; 2738; 2758; 2782; 2813; 3504; 3805; 4243; 4327; 4390; 4459; 4732; 5313
BspHI	T!CATGA	5	780; 999; 1263; 2864; 4636
BspLI	GGN!NCC	20	467; 1072; 1073; 1365; 1435; 1495; 1886; 2593; 2614; 2626; 2817; 2978; 3050; 3439; 3474; 4322; 4401; 4446; 5289; 5328
BspMI	ACCTGCNNNN!	2	3706; 4156
BspMI	!NNNNNNNGCAGGT	1	3325
BspOI	GCTAG!C	1	595
BspPI	GGATCNNNN!	8	1371; 3306; 3617; 3863; 4255; 4614; 4712; 4798
BspPI	!NNNNNGATCC	8	580; 778; 1358; 1914; 3682; 4226; 4613; 4710
BspQI	GCTCTTCN!	0	
BspQI	!NNNNGAAGAGC	2	3782; 3992
BspTI	C!TTAAG	1	2320
BspT104I	TT!CGAA	3	627; 1119; 4120
BspT107I	G!GYRCC	6	465; 1433; 1493; 2591; 3437; 3472
BspTNI	GGTCTCN!	0	
BspTNI	!NNNNNGAGACC	3	1901; 2000; 4427
BsrI	ACTGGN!	5	1983; 2056; 3382; 3583; 4829
BsrI	C!CAGT	6	295; 1355; 2467; 3145; 4941; 4954
BsrBI	CCG!CTC	2	2862; 4051
BsrBI	GAG!CGG	3	2081; 2698; 4105
BsrDI	GCAATGNN!	1	3671
BsrDI	!CATTGC	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BsrFI	R!CCGGY	6	940; 1369; 2655; 3757; 3938; 4221
BsrGI	T!GTACA	2	1152; 1422
BsrSI	ACTGGN!	5	1983; 2056; 3382; 3583; 4829
BsrSI	C!CAGT	6	295; 1355; 2467; 3145; 4941; 4954
BssAI	R!CCGGY	6	940; 1369; 2655; 3757; 3938; 4221
BssECl	C!CNNGG	20	360; 648; 709; 1380; 1467; 1698; 2972; 3044; 3167; 3202; 3211; 3260; 3601; 3870; 4275; 4402; 4403; 4505; 4506; 5196
BssHII	G!CGCGC	0	
BssKI	!CCNGG	26	88; 281; 853; 948; 1107; 1193; 1229; 1554; 1603; 1698; 1713; 1842; 1951; 2972; 3027; 3044; 3440; 3600; 3823; 4213; 4402; 4505; 4977; 5195; 5208; 5329
BssMI	!GATC	26	585; 609; 783; 924; 1041; 1266; 1363; 1893; 1919; 2095; 3275; 3279; 3298; 3609; 3687; 3768; 3777; 3855; 4231; 4247; 4606; 4618; 4696; 4704; 4715; 4790
BssNI	GR!CGYC	8	122; 175; 258; 444; 1956; 3438; 4140; 4219
BssNAI	GTA!TAC	0	
BssSI	C!ACGAG	3	2024; 4156; 5183
BssSI	C!TCGTG	3	788; 1874; 4030
BssTII	C!CWWGG	6	360; 1380; 3167; 3260; 3870; 4275
Bst6I	CTCTCN!	1	770
Bst6I	!NNNNGAAGAG	4	1032; 2905; 3782; 3992
Bst98I	C!TTAAG	1	2320
Bst1107I	GTA!TAC	0	
BstACI	GR!CGYC	8	122; 175; 258; 444; 1956; 3438; 4140; 4219
BstAFI	C!TTAAG	1	2320
BstAPI	GCANNNN!NTGC	3	3005; 3077; 4539
BstAUI	T!GTACA	2	1152; 1422
BstBI	TT!CGAA	3	627; 1119; 4120
Bst2BI	C!ACGAG	3	2024; 4156; 5183
Bst2BI	C!TCGTG	3	788; 1874; 4030
BstBAI	YAC!GTR	4	340; 964; 2554; 3742
Bst4CI	ACN!GT	19	76; 198; 269; 543; 581; 659; 760; 1213; 1249; 1258; 1438; 2529; 3818; 3934; 4042; 4365; 4856; 5326; 5397
BstC8I	GCN!NGC	34	86; 279; 593; 643; 825; 942; 1391; 1481; 1685; 2657; 2700; 2714; 2987; 3006; 3059; 3078; 3332; 3518; 3737; 3803; 3809; 3837; 3841; 3882; 3886; 3940; 4223; 4410; 4457; 4513; 4535; 4746; 5306; 5343
BstDEI	C!TNAG	9	606; 1336; 1638; 2918; 3220; 4101; 4550; 4673; 5082
BstDSI	C!CRYGG	4	360; 1380; 3167; 3870
BstEII	G!GTNACC	0	
BstENI	CCTNN!NNNAGG	0	
BstF5I	GGATGNN!	4	3298; 3755; 3780; 4234
BstF5I	!CATCC	8	667; 705; 900; 1287; 1463; 1551; 1608; 3124
BstFNI	CG!CG	18	60; 635; 800; 1361; 2087; 2362; 2738; 2758; 2782; 2813; 3504; 3805; 4243; 4327; 4390; 4459; 4732; 5313
BstH2I	RGCGC!Y	6	598; 2061; 2705; 2713; 3441; 5116
BstHHI	GCG!C	23	597; 1853; 2060; 2704; 2712; 2738; 2760; 2769; 2782; 2813; 3432; 3440; 3504; 3541; 3807; 4067; 4243; 4329; 4732; 4841; 5015; 5115; 5182
BstKTI	GAT!C	26	588; 612; 786; 927; 1044; 1269; 1366; 1896; 1922; 2098; 3278; 3282; 3301; 3612; 3690; 3771; 3780; 3858; 4234; 4250; 4609; 4621; 4699; 4707; 4718; 4793
BstMAI	GTCTCN!	1	434
BstMAI	!NNNNGAGAC	8	970; 1811; 1901; 2000; 2862; 3280; 4299; 4427
BstMBI	!GATC	26	585; 609; 783; 924; 1041; 1266; 1363; 1893; 1919; 2095; 3275; 3279; 3298; 3609; 3687; 3768; 3777; 3855; 4231; 4247; 4606; 4618; 4696; 4704; 4715; 4790
BstMCI	CGRY!CG	5	639; 1374; 2085; 3347; 5022
BstMWI	GCNNNNN!NNGC	27	90; 212; 244; 283; 376; 400; 1417; 1848; 2665; 2695; 2722; 2764; 3005; 3077; 3128; 3207; 3429; 3513; 3536; 3675; 3798; 3881; 4148; 4335; 4539; 4738; 5310
BstNI	CC!WGG	19	90; 283; 855; 950; 1195; 1231; 1556; 1700; 1715; 1844; 2974; 3029; 3046; 3825; 4404; 4507; 5197; 5210; 5331
BstNSI	RCATG!Y	6	1411; 1857; 3008; 3080; 3843; 5360
BstOI	CC!WGG	19	90; 283; 855; 950; 1195; 1231; 1556; 1700; 1715; 1844; 2974; 3029; 3046; 3825; 4404; 4507; 5197; 5210; 5331
BstPI	G!GTNACC	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BstPAI	GACNN!NNGTC	1	2012
BstSCI	!CCNGG	26	88; 281; 853; 948; 1107; 1193; 1229; 1554; 1603; 1698; 1713; 1842; 1951; 2972; 3027; 3044; 3440; 3600; 3823; 4213; 4402; 4505; 4977; 5195; 5208; 5329
BstSFI	C!TRYAG	5	698; 917; 2773; 4900; 5091
BstSLI	GKGCMI	7	695; 1436; 1463; 1496; 3384; 3477; 5046
BstSNI	TAC!GTA	1	340
BstUI	CG!CG	18	60; 635; 800; 1361; 2087; 2362; 2738; 2758; 2782; 2813; 3504; 3805; 4243; 4327; 4390; 4459; 4732; 5313
Bst2UI	CC!WGG	19	90; 283; 855; 950; 1195; 1231; 1556; 1700; 1715; 1844; 2974; 3029; 3046; 3825; 4404; 4507; 5197; 5210; 5331
BstV1I	GCAGCNNNNNNNN!	10	931; 1183; 1590; 2032; 2226; 3511; 3553; 4074; 4527; 5027
BstV1I	!NNNNNNNNNNNGCTGC	7	1709; 2720; 3385; 3569; 3662; 4728; 4934
BstV2I	GAAGACNN!	1	1680
BstV2I	!NNNNNNNGTCTTC	2	1120; 1243
BstXI	CCANNNNN!NTGG	1	1213
BstX2I	R!GATCY	11	585; 609; 1363; 1919; 3609; 3855; 4247; 4606; 4618; 4704; 4715
BstYI	R!GATCY	11	585; 609; 1363; 1919; 3609; 3855; 4247; 4606; 4618; 4704; 4715
BstZI	C!GGCCG	3	636; 2082; 3344
BstZ17I	GTA!TAC	0	
BsuI	GTATCCNNNNNN!	3	2867; 3657; 5158
BsuI	!NNNNNGGATAC	0	
Bsu15I	AT!CGAT	1	3278
Bsu36I	CC!TNAGG	3	1638; 2918; 4550
BsuRI	GG!CC	34	84; 277; 638; 797; 944; 968; 1198; 1234; 1530; 1773; 1808; 1842; 1865; 1887; 1997; 2039; 2084; 2404; 2546; 3201; 3207; 3216; 3259; 3346; 3520; 3911; 3938; 4447; 4504; 4537; 4882; 5316; 5334; 5345
BsuTUI	AT!CGAT	1	3278
BtgI	C!CRYGG	4	360; 1380; 3167; 3870
BtgZI	GCGATGNNNNNNNNNN!	2	2555; 3890
BtgZI	!NNNNNNNNNNNNNNCATCGC	3	334; 3709; 4053
BthCI	GCNG!C	40	638; 641; 800; 922; 1174; 1530; 1581; 1725; 1842; 2023; 2084; 2087; 2217; 2736; 2758; 2772; 3210; 3349; 3401; 3412; 3502; 3507; 3544; 3585; 3672; 3675; 3678; 3914; 4010; 4051; 4065; 4179; 4518; 4533; 4744; 4950; 4953; 5018; 5161; 5316
BtrI	CAC!GTC	0	
BtrI	GAC!GTG	0	
BtsI	GCAGTGNN!	0	
BtsI	!CACTGC	1	2277
BtsCI	GGATGNN!	4	3298; 3755; 3780; 4234
BtsCI	!CATCC	8	667; 705; 900; 1287; 1463; 1551; 1608; 3124
BtuMI	TCG!CGA	0	
BveI	ACCTGCNNNN!	2	3706; 4156
BveI	!NNNNNNNNNGCAGGT	1	3325
Cac8I	GCN!NGC	34	86; 279; 593; 643; 825; 942; 1391; 1481; 1685; 2657; 2700; 2714; 2987; 3006; 3059; 3078; 3332; 3518; 3737; 3803; 3809; 3837; 3841; 3882; 3886; 3940; 4223; 4410; 4457; 4513; 4535; 4746; 5306; 5343
CaiI	CAGNNN!CTG	3	1177; 4539; 4947
CciI	T!CATGA	5	780; 999; 1263; 2864; 4636
CciNI	GC!GGCCGC	2	636; 2082
CdiI	CATC!G	6	352; 1036; 3727; 3732; 3930; 4071
CdiI	C!GATG	4	1821; 2002; 2541; 3876
CdpI	GCGGAGNNNNNNNNNNNNNNNNNNNN!	1	5310
CdpI	!NNNNNNNNNNNNNNNNNNNNCTCCGC	3	486; 3099; 3141
CelII	GC!TNAGC	0	
CfoI	GCG!C	23	597; 1853; 2060; 2704; 2712; 2738; 2760; 2769; 2782; 2813; 3432; 3440; 3504; 3541; 3807; 4067; 4243; 4329; 4732; 4841; 5015; 5115; 5182
CfrI	Y!GGCCR	8	636; 795; 2037; 2082; 3344; 3518; 3909; 3936
Cfr9I	C!CCGGG	0	
Cfr10I	R!CCGGY	6	940; 1369; 2655; 3757; 3938; 4221
Cfr13I	G!GNCC	18	83; 276; 943; 1057; 1071; 1083; 1233; 1529; 1772; 1864; 1885; 1969; 2545; 3954; 4399; 4445; 4503; 4536



Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Cfr42I	CCGC!GG	0	
ChaI	GATC!	26	589; 613; 787; 928; 1045; 1270; 1367; 1897; 1923; 2099; 3279; 3283; 3302; 3613; 3691; 3772; 3781; 3859; 4235; 4251; 4610; 4622; 4700; 4708; 4719; 4794
CjeI	CCANNNNNNGTNNNNNNNNNNNNNN!	5	1475; 3255; 4695; 4795; 4873
CjeI	!NNNNNNNNNACNNNNNTGG	8	64; 257; 724; 2922; 3017; 4209; 4759; 5314
CjeI	ACNNNNNTGGNNNNNNNNNNNNNN!	8	98; 291; 758; 2956; 3051; 4243; 4793; 5348
CjeI	!NNNNNNNNCCANNNNNNGT	5	1441; 3221; 4661; 4761; 4839
CjePI	CCANNNNNNTCNNNNNNNNNNNNNN!	2	4695; 4873
CjePI	!NNNNNNNGANNNNNNNTGG	3	257; 4209; 4808
CjePI	GANNNNNNNTGGNNNNNNNNNNNNNN!	3	290; 4242; 4841
CjePI	!NNNNNNNCCANNNNNNTC	2	4662; 4840
ClaI	AT!CGAT	1	3278
CpoI	CG!GWCCG	1	3954
CseI	GACGCNNNNN!	3	526; 4148; 4227
CseI	!NNNNNNNNNNGCGTC	5	1163; 1945; 2771; 4666; 5244
CsiI	A!CCWGGT	1	3027
CspI	CG!GWCCG	1	3954
Csp6I	G!TAC	11	218; 243; 298; 331; 382; 539; 1153; 1423; 1573; 1825; 3743
Csp45I	TT!CGAA	3	627; 1119; 4120
CspAI	A!CCGGT	1	1369
CspCI	CAANNNNGTGGNNNNNNNNNNNN!	1	411
CspCI	!NNNNNNNNNCCACNNNNNTTG	1	721
CspCI	CCACNNNNNTGNNNNNNNNNNNN!	1	756
CspCI	!NNNNNNNNNNCAANNNNGTGG	1	376
CstMI	AAGGAGNNNNNNNNNNNNNNNNNN!	5	828; 1425; 2016; 2718; 4327
CstMI	!NNNNNNNNNNNNNNNNNCTCCTT	0	
CviAII	C!ATG	31	301; 361; 781; 928; 1000; 1132; 1150; 1168; 1264; 1381; 1408; 1414; 1426; 1504; 1570; 1650; 1854; 1861; 2865; 3005; 3077; 3168; 3309; 3654; 3840; 3871; 3897; 4253; 4637; 5357; 5408
CviJI	RG!CY	111	42; 84; 93; 277; 566; 618; 624; 638; 754; 797; 827; 853; 858; 907; 914; 922; 944; 956; 968; 1124; 1161; 1198; 1234; 1309; 1393; 1420; 1483; 1530; 1559; 1566; 1644; 1710; 1722; 1766; 1773; 1800; 1808; 1842; 1865; 1873; 1887; 1997; 2033; 2039; 2084; 2107; 2217; 2384; 2404; 2546; 2627; 2641; 2655; 2936; 2977; 3049; 3172; 3201; 3207; 3216; 3224; 3247; 3259; 3265; 3346; 3363; 3371; 3398; 3423; 3507; 3516; 3520; 3544; 3582; 3658; 3675; 3694; 3757; 3801; 3811; 3828; 3911; 3938; 3942; 3979; 4002; 4018; 4198; 4225; 4286; 4408; 4447; 4504; 4511; 4518; 4537; 4548; 4799; 4828; 4871; 4882; 4947; 5026; 5051; 5056; 5102; 5192; 5290; 5316; 5334; 5345
CviKI-1	RG!CY	111	42; 84; 93; 277; 566; 618; 624; 638; 754; 797; 827; 853; 858; 907; 914; 922; 944; 956; 968; 1124; 1161; 1198; 1234; 1309; 1393; 1420; 1483; 1530; 1559; 1566; 1644; 1710; 1722; 1766; 1773; 1800; 1808; 1842; 1865; 1873; 1887; 1997; 2033; 2039; 2084; 2107; 2217; 2384; 2404; 2546; 2627; 2641; 2655; 2936; 2977; 3049; 3172; 3201; 3207; 3216; 3224; 3247; 3259; 3265; 3346; 3363; 3371; 3398; 3423; 3507; 3516; 3520; 3544; 3582; 3658; 3675; 3694; 3757; 3801; 3811; 3828; 3911; 3938; 3942; 3979; 4002; 4018; 4198; 4225; 4286; 4408; 4447; 4504; 4511; 4518; 4537; 4548; 4799; 4828; 4871; 4882; 4947; 5026; 5051; 5056; 5102; 5192; 5290; 5316; 5334; 5345
CviQI	G!TAC	11	218; 243; 298; 331; 382; 539; 1153; 1423; 1573; 1825; 3743
DdeI	C!TNAG	9	606; 1336; 1638; 2918; 3220; 4101; 4550; 4673; 5082
DinI	GGC!GCC	1	3439
DpnI	GA!TC	26	587; 611; 785; 926; 1043; 1268; 1365; 1895; 1921; 2097; 3277; 3281; 3300; 3611; 3689; 3770; 3779; 3857; 4233; 4249; 4608; 4620; 4698; 4706; 4717; 4792
DpnII	!GATC	26	585; 609; 783; 924; 1041; 1266; 1363; 1893; 1919; 2095; 3275; 3279; 3298; 3609; 3687; 3768; 3777; 3855; 4231; 4247; 4606; 4618; 4696; 4704; 4715; 4790
DraI	TTT!AAA	3	2140; 4582; 4601
DraII	RG!GNCCY	2	1071; 4536
DraIII	CACNNN!GTG	2	2029; 2554
DraRI	CAAGNACNNNNNNNNNNNNNNNNNN!	4	266; 750; 1620; 4918
DraRI	!NNNNNNNNNNNNNNNNNGTNCCTG	0	
DrdI	GACNNNN!NNGTC	3	2509; 3465; 5254
DrdIV	TACGACNNNNNNNNNNNNNNNNNN!	1	900

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
DrdIV	!NNNNNNNNNNNNNNNNNGTCGTA	1	476
DriI	GACNNN!NNGTC	0	
DseDI	GACNNNN!NNGTC	3	2509; 3465; 5254
EaeI	Y!GGCCR	8	636; 795; 2037; 2082; 3344; 3518; 3909; 3936
EagI	C!GGCCG	3	636; 2082; 3344
Eam1104I	CTCTTCN!	1	770
Eam1104I	!NNNNGAAGAG	4	1032; 2905; 3782; 3992
Eam1105I	GACNNN!NNGTC	0	
EarI	CTCTTCN!	1	770
EarI	!NNNNGAAGAG	4	1032; 2905; 3782; 3992
EciI	GGCGGANNNNNNNNNN!	4	2938; 3967; 5154; 5300
EciI	!NNNNNNNNNTCCGCC	4	496; 3109; 3130; 3151
Ecl136II	GAG!CTC	1	618
EclXI	C!GGCCG	3	636; 2082; 3344
Eco24I	GRGCY!C	5	620; 916; 2629; 3803; 4513
Eco31I	GGTCTCN!	0	
Eco31I	!NNNNNGAGACC	3	1901; 2000; 4427
Eco32I	GAT!ATC	0	
Eco47I	G!GWCC	6	1057; 1071; 1083; 1969; 3954; 4399
Eco47III	AGC!GCT	1	596
Eco52I	C!GGCCG	3	636; 2082; 3344
Eco57I	CTGAAGNNNNNNNNNNNNNN!	3	1889; 3584; 4016
Eco57I	!NNNNNNNNNNNNNNNCTTCAG	1	4814
Eco72I	CAC!GTG	1	964
Eco81I	CC!TNAGG	3	1638; 2918; 4550
Eco88I	C!YCGRG	3	613; 649; 710
Eco91I	G!GTNACC	0	
Eco105I	TAC!GTA	1	340
Eco130I	C!CWWGG	6	360; 1380; 3167; 3260; 3870; 4275
Eco147I	AGG!CCT	2	1808; 3259
EcoHI	!CCSGG	7	1107; 1603; 1951; 3440; 3600; 4213; 4977
EcoICRI	GAG!CTC	1	618
Eco57MI	CTGRAGNNNNNNNNNNNNNN!	4	1889; 3584; 4016; 4278
Eco57MI	!NNNNNNNNNNNNNNCTYCAG	4	833; 1697; 4221; 4814
EcoNI	CCTNN!NNNAGG	0	
Eco065I	G!GTNACC	0	
Eco0109I	RG!GNCCY	2	1071; 4536
EcoRI	G!AATTC	1	629
EcoRII	!CCWGG	19	88; 281; 853; 948; 1193; 1229; 1554; 1698; 1713; 1842; 2972; 3027; 3044; 3823; 4402; 4505; 5195; 5208; 5329
EcoRV	GAT!ATC	0	
EcoT14I	C!CWWGG	6	360; 1380; 3167; 3260; 3870; 4275
EcoT22I	ATGCA!T	3	3010; 3082; 5413
EcoT38I	GRGCY!C	5	620; 916; 2629; 3803; 4513
Eco53kI	GAG!CTC	1	618
EgeI	GGC!GCC	1	3439
EheI	GGC!GCC	1	3439
ErhI	C!CWWGG	6	360; 1380; 3167; 3260; 3870; 4275
EsaBC3I	TC!GA	19	615; 628; 1036; 1066; 1120; 1522; 1549; 2017; 2588; 3279; 3552; 3708; 3732; 3768; 3930; 4121; 4166; 4421; 5259
Esp3I	CGTCTCN!	0	
Esp3I	!NNNNNGAGACG	1	1811
FaeI	CATG!	31	304; 364; 784; 931; 1003; 1135; 1153; 1171; 1267; 1384; 1411; 1417; 1429; 1507; 1573; 1653; 1857; 1864; 2868; 3008; 3080; 3171; 3312; 3657; 3843; 3874; 3900; 4256; 4640; 5360; 5411
FaiI	YA!TR	71	39; 46; 50; 67; 138; 146; 234; 236; 291; 302; 310; 362; 555; 557; 782; 929; 959; 1001; 1133; 1137; 1151; 1169; 1265; 1382; 1409; 1415; 1427; 1505; 1571; 1651; 1669; 1855; 1862; 1915; 2100; 2110; 2176; 2221; 2426; 2854; 2866; 2997; 3006; 3069; 3078; 3102; 3169; 3193; 3310; 3374; 3655; 3680; 3841; 3872; 3898; 3970; 4186; 4254; 4332; 4384; 4545; 4562; 4564; 4566; 4638; 4916; 5105; 5221; 5294; 5358; 5409
FalI	AAGNNNNNCTTNNNNNNNNNNNN!	3	1267; 1648; 3778
FalI	!NNNNNNNNAAGNNNNNCTT	3	1235; 1616; 3746
FaqI	GGGACNNNNNNNNNN!	7	175; 326; 494; 666; 3589; 4121; 4230
FaqI	!NNNNNNNNNNNNNGTCCC	6	1057; 1188; 2954; 3026; 3090; 4385

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
FatI	!CATG	31	300; 360; 780; 927; 999; 1131; 1149; 1167; 1263; 1380; 1407; 1413; 1425; 1503; 1569; 1649; 1853; 1860; 2864; 3004; 3076; 3167; 3308; 3653; 3839; 3870; 3896; 4252; 4636; 5356; 5407
FauI	CCCGCNNNN!	10	93; 119; 286; 1837; 1939; 2760; 3115; 3136; 4332; 4464
FauI	!NNNNNNGCGGG	6	1874; 2691; 3561; 4098; 4236; 4383
FauNDI	CA!TATG	1	234
FbaI	T!GATCA	1	924
FblI	GT!MKAC	1	1959
FmuI	GGNC!C	18	86; 279; 946; 1060; 1074; 1086; 1236; 1532; 1775; 1867; 1888; 1972; 2548; 3957; 4402; 4448; 4506; 4539
Fnu4HI	GC!NGC	40	636; 639; 798; 920; 1172; 1528; 1579; 1723; 1840; 2021; 2082; 2085; 2215; 2734; 2756; 2770; 3208; 3347; 3399; 3410; 3500; 3505; 3542; 3583; 3670; 3673; 3676; 3912; 4008; 4049; 4063; 4177; 4516; 4531; 4742; 4948; 4951; 5016; 5159; 5314
FokI	GGATGNNNNNNNN!	4	3305; 3762; 3787; 4241
FokI	!NNNNNNNNNNNNNNCATCC	8	654; 692; 887; 1274; 1450; 1538; 1595; 3111
FriOI	GRGCY!C	5	620; 916; 2629; 3803; 4513
FseI	GGCCGG!CC	0	
FspI	TGC!GCA	1	3540
FspAI	RTGC!GCAY	0	
FspBI	C!TAG	8	592; 2093; 2287; 2705; 3261; 4276; 4610; 4863
FspEI	CCNNNNNNNNNNNN!	176	56; 71; 98; 114; 128; 129; 156; 182; 220; 252; 291; 307; 333; 373; 450; 451; 482; 501; 520; 593; 614; 652; 676; 722; 745; 776; 800; 841; 863; 893; 917; 949; 982; 1063; 1087; 1105; 1121; 1207; 1243; 1304; 1360; 1380; 1425; 1450; 1480; 1497; 1511; 1544; 1558; 1576; 1600; 1614; 1645; 1678; 1705; 1720; 1739; 1775; 1822; 1841; 1856; 1879; 1901; 1916; 1936; 1955; 1985; 2011; 2053; 2098; 2121; 2160; 2174; 2315; 2410; 2434; 2457; 2480; 2498; 2520; 2541; 2560; 2579; 2608; 2629; 2643; 2669; 2757; 2783; 2832; 2873; 2891; 2930; 2946; 2984; 3041; 3056; 3113; 3133; 3147; 3164; 3178; 3215; 3230; 3273; 3356; 3423; 3454; 3474; 3489; 3534; 3548; 3614; 3628; 3647; 3663; 3704; 3724; 3771; 3821; 3837; 3857; 3882; 3902; 3925; 3952; 3970; 3996; 4036; 4062; 4086; 4142; 4156; 4184; 4227; 4248; 4283; 4327; 4415; 4439; 4461; 4481; 4497; 4518; 4532; 4551; 4635; 4655; 4683; 4698; 4732; 4774; 4801; 4816; 4861; 4885; 4899; 4921; 4947; 4967; 4991; 5017; 5065; 5084; 5103; 5129; 5164; 5209; 5239; 5253; 5304; 5318; 5343; 5359; 5380; 5409
FspEI	!NNNNNNNNNNNNNNNGG	151	8; 35; 59; 144; 166; 197; 252; 295; 347; 375; 400; 435; 463; 509; 529; 552; 586; 620; 659; 696; 726; 776; 796; 840; 889; 914; 935; 958; 976; 1013; 1040; 1063; 1093; 1143; 1163; 1199; 1241; 1263; 1312; 1346; 1367; 1385; 1412; 1454; 1475; 1499; 1541; 1560; 1589; 1625; 1662; 1685; 1704; 1727; 1755; 1782; 1821; 1847; 1866; 1938; 1964; 2012; 2037; 2055; 2109; 2209; 2278; 2308; 2386; 2435; 2457; 2485; 2521; 2566; 2595; 2631; 2650; 2678; 2698; 2761; 2784; 2892; 2924; 2942; 2971; 3014; 3043; 3154; 3183; 3226; 3247; 3275; 3308; 3328; 3353; 3380; 3405; 3427; 3455; 3481; 3502; 3553; 3574; 3592; 3640; 3676; 3732; 3757; 3781; 3810; 3833; 3857; 3883; 3905; 3924; 3949; 3989; 4025; 4090; 4175; 4199; 4228; 4262; 4283; 4303; 4348; 4375; 4394; 4427; 4479; 4510; 4537; 4589; 4687; 4758; 4803; 4864; 4929; 4963; 4989; 5007; 5043; 5113; 5136; 5158; 5182; 5215; 5263; 5298; 5316; 5373
Fsp4HI	GC!NGC	40	636; 639; 798; 920; 1172; 1528; 1579; 1723; 1840; 2021; 2082; 2085; 2215; 2734; 2756; 2770; 3208; 3347; 3399; 3410; 3500; 3505; 3542; 3583; 3670; 3673; 3676; 3912; 4008; 4049; 4063; 4177; 4516; 4531; 4742; 4948; 4951; 5016; 5159; 5314
GdiII	C!GGCCR	3	636; 2082; 3344
GdiII	Y!GGCCG	6	636; 795; 2082; 3344; 3909; 3936
GlaI	GC!GC	23	596; 1852; 2059; 2703; 2711; 2737; 2759; 2768; 2781; 2812; 3431; 3439; 3503; 3540; 3806; 4066; 4242; 4328; 4731; 4840; 5014; 5114; 5181
GluI	GC!NGC	40	636; 639; 798; 920; 1172; 1528; 1579; 1723; 1840; 2021; 2082; 2085; 2215; 2734; 2756; 2770; 3208; 3347; 3399; 3410; 3500; 3505; 3542; 3583; 3670; 3673; 3676; 3912; 4008; 4049; 4063; 4177; 4516; 4531; 4742; 4948; 4951; 5016; 5159; 5314
GsaI	CCCAG!C	4	1766; 2985; 3057; 5056
GsaI	GCTGG!G	2	1804; 3946
GsuI	CTGGAGNNNNNNNNNNNNNN!	1	4278
GsuI	!NNNNNNNNNNNNNNCTCCAG	3	833; 1697; 4221

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
HaeI	WGG!CCW	9	968; 1198; 1808; 2039; 3259; 3520; 4882; 5334; 5345
HaeII	RGCGC!Y	6	598; 2061; 2705; 2713; 3441; 5116
HaeIII	GG!CC	34	84; 277; 638; 797; 944; 968; 1198; 1234; 1530; 1773; 1808; 1842; 1865; 1887; 1997; 2039; 2084; 2404; 2546; 3201; 3207; 3216; 3259; 3346; 3520; 3911; 3938; 4447; 4504; 4537; 4882; 5316; 5334; 5345
HaeIV	GAYNNNNRNTC!NNNNNNNNNNNN!	2	2113; 3634
HaeIV	!NNNNNNNNNGAYNNNNNRTC	2	2079; 3600
HaeIV	GAYNNNNRNTC!NNNNNNNNNNNN!	2	2112; 3633
HaeIV	!NNNNNNNGAYNNNNNRTC	2	2081; 3602
HapII	C!CGG	24	601; 904; 941; 973; 1108; 1370; 1604; 1953; 2656; 3343; 3420; 3442; 3470; 3601; 3691; 3758; 3939; 4214; 4222; 4314; 4788; 4978; 5004; 5151
HgaI	GACGCNNNNN!	3	526; 4148; 4227
HgaI	!NNNNNNNNNGCGTC	5	1163; 1945; 2771; 4666; 5244
HhaI	GCG!C	23	597; 1853; 2060; 2704; 2712; 2738; 2760; 2769; 2782; 2813; 3432; 3440; 3504; 3541; 3807; 4067; 4243; 4329; 4732; 4841; 5015; 5115; 5182
Hin1I	GR!CGYC	8	122; 175; 258; 444; 1956; 3438; 4140; 4219
Hin1III	CATG!	31	304; 364; 784; 931; 1003; 1135; 1153; 1171; 1267; 1384; 1411; 1417; 1429; 1507; 1573; 1653; 1857; 1864; 2868; 3008; 3080; 3171; 3312; 3657; 3843; 3874; 3900; 4256; 4640; 5360; 5411
Hin4I	GAYNNNNNVTC!NNNNNNNNNNNN!	2	2112; 3633
Hin4I	!NNNNNNNGABNNNNNRTC	3	2080; 3601; 3631
Hin4I	GABNNNNRNTC!NNNNNNNNNNNN!	3	2112; 3633; 3663
Hin4I	!NNNNNNNGAYNNNNNVTC	2	2080; 3601
Hin6I	G!CGC	23	595; 1851; 2058; 2702; 2710; 2736; 2758; 2767; 2780; 2811; 3430; 3438; 3502; 3539; 3805; 4065; 4241; 4327; 4730; 4839; 5013; 5113; 5180
HinP1I	G!CGC	23	595; 1851; 2058; 2702; 2710; 2736; 2758; 2767; 2780; 2811; 3430; 3438; 3502; 3539; 3805; 4065; 4241; 4327; 4730; 4839; 5013; 5113; 5180
HincII	GTY!RAC	2	721; 2201
HindII	GTY!RAC	2	721; 2201
HindIII	A!AGCTT	1	622
HinfI	G!ANTC	16	410; 604; 1509; 1659; 1986; 2089; 2481; 2503; 2913; 3923; 4057; 4109; 4167; 4204; 4986; 5382
HpaI	GTT!AAC	1	2201
HpaII	C!CGG	24	601; 904; 941; 973; 1108; 1370; 1604; 1953; 2656; 3343; 3420; 3442; 3470; 3601; 3691; 3758; 3939; 4214; 4222; 4314; 4788; 4978; 5004; 5151
HphI	GGTGANNNNNNN!	7	376; 1192; 1396; 1765; 2075; 4509; 4625
HphI	!NNNNNNNTCACC	3	1654; 2555; 3616
Hpy8I	GTN!NAC	17	201; 539; 577; 721; 936; 1083; 1216; 1441; 1461; 1756; 1960; 1969; 2201; 2485; 2502; 2557; 5044
Hpy99I	CGWCG!	10	1523; 2003; 2018; 3528; 3556; 3850; 3865; 4142; 4527; 5260
Hpy166II	GTN!NAC	17	201; 539; 577; 721; 936; 1083; 1216; 1441; 1461; 1756; 1960; 1969; 2201; 2485; 2502; 2557; 5044
Hpy188I	TCN!GA	13	585; 609; 1468; 2612; 3221; 3405; 3749; 4102; 4203; 4682; 4816; 5169; 5247
Hpy188III	TC!NNGA	28	613; 651; 671; 781; 1000; 1264; 1278; 1945; 2093; 2865; 2917; 3230; 3283; 3456; 3772; 3781; 3864; 3920; 3964; 4054; 4087; 4156; 4637; 4711; 4794; 4892; 4990; 5124
HpyAV	CCTC!NNNNNN!	6	1549; 1597; 1642; 4083; 4190; 4869
HpyAV	!NNNNNGAAGG	13	796; 997; 1048; 1061; 1469; 1841; 2671; 3566; 4295; 4311; 4494; 4811; 5121
HpyCH4III	ACN!GT	19	76; 198; 269; 543; 581; 659; 760; 1213; 1249; 1258; 1438; 2529; 3818; 3934; 4042; 4365; 4856; 5326; 5397
HpyCH4IV	A!CGT	18	122; 134; 175; 258; 339; 444; 963; 1737; 1965; 2013; 2498; 2510; 2553; 2663; 3554; 3741; 4522; 4655
HpyCH4V	TG!CA	24	840; 919; 961; 1171; 1287; 1461; 1783; 1899; 2187; 2214; 2282; 2999; 3008; 3071; 3080; 3195; 3271; 3330; 3489; 3664; 3678; 4748; 5044; 5411
HpyF3I	C!TNAG	9	606; 1336; 1638; 2918; 3220; 4101; 4550; 4673; 5082
HpyF10VI	GCNNNNN!NNGC	27	90; 212; 244; 283; 376; 400; 1417; 1848; 2665; 2695; 2722; 2764; 3005; 3077; 3128; 3207; 3429; 3513; 3536; 3675; 3798; 3881; 4148; 4335; 4539; 4738; 5310
Hsp92I	GR!CGYC	8	122; 175; 258; 444; 1956; 3438; 4140; 4219

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Hsp92II	CATG!	31	304; 364; 784; 931; 1003; 1135; 1153; 1171; 1267; 1384; 1411; 1417; 1429; 1507; 1573; 1653; 1857; 1864; 2868; 3008; 3080; 3171; 3312; 3657; 3843; 3874; 3900; 4256; 4640; 5360; 5411
HspAI	G!CGC	23	595; 1851; 2058; 2702; 2710; 2736; 2758; 2767; 2780; 2811; 3430; 3438; 3502; 3539; 3805; 4065; 4241; 4327; 4730; 4839; 5013; 5113; 5180
KasI	G!GCGCC	1	3437
KfII	GG!GWCCC	1	1071
KpnI	GGTAC!C	0	
Kpn2I	T!CCGGA	0	
KspI	CCGC!GG	0	
Ksp22I	T!GATCA	1	924
KspAI	GTT!AAC	1	2201
Kzo9I	!GATC	26	585; 609; 783; 924; 1041; 1266; 1363; 1893; 1919; 2095; 3275; 3279; 3298; 3609; 3687; 3768; 3777; 3855; 4231; 4247; 4606; 4618; 4696; 4704; 4715; 4790
LguI	GCTCTCN!	0	
LguI	!NNNNGAAGAGC	2	3782; 3992
LpnI	RGC!GCGY	6	596; 2059; 2703; 2711; 3439; 5114
LpnPI	CCDGNNNNNNNNN!	73	102; 295; 614; 684; 748; 863; 917; 954; 986; 1064; 1088; 1108; 1207; 1243; 1304; 1368; 1383; 1511; 1568; 1617; 1650; 1712; 1727; 1776; 1856; 1880; 1904; 1966; 2053; 2175; 2480; 2669; 2892; 2930; 2946; 2986; 3041; 3058; 3158; 3243; 3356; 3433; 3455; 3478; 3614; 3628; 3647; 3704; 3771; 3821; 3837; 3894; 3952; 4161; 4227; 4251; 4327; 4416; 4519; 4552; 4783; 4801; 4947; 4967; 4991; 5017; 5066; 5164; 5209; 5239; 5318; 5343; 5380
LpnPI	!NNNNNNNNNNNNNCHGG	64	75; 268; 552; 586; 736; 840; 889; 926; 958; 1093; 1163; 1216; 1263; 1323; 1355; 1541; 1589; 1685; 1786; 1829; 1938; 1964; 2037; 2521; 2641; 2698; 2761; 2959; 2971; 3031; 3043; 3275; 3320; 3363; 3405; 3427; 3455; 3502; 3564; 3586; 3676; 3743; 3766; 3810; 3905; 3924; 3949; 4098; 4199; 4242; 4299; 4389; 4492; 4519; 4537; 4773; 4810; 4963; 4989; 5129; 5147; 5182; 5263; 5316
Lsp1109I	GCAGCNNNNNNNN!	10	931; 1183; 1590; 2032; 2226; 3511; 3553; 4074; 4527; 5027
Lsp1109I	!NNNNNNNNNNNGCTGC	7	1709; 2720; 3385; 3569; 3662; 4728; 4934
LweI	GCATCNNNNNN!	11	714; 786; 1107; 1296; 1617; 2254; 3017; 3089; 3737; 3801; 4076
LweI	!NNNNNNNNNGATGC	7	357; 1770; 1938; 3396; 3651; 3867; 5259
MabI	A!CCWGGT	1	3027
MaeI	C!TAG	8	592; 2093; 2287; 2705; 3261; 4276; 4610; 4863
MaeII	A!CGT	18	122; 134; 175; 258; 339; 444; 963; 1737; 1965; 2013; 2498; 2510; 2553; 2663; 3554; 3741; 4522; 4655
MaeIII	!GTNAC	15	61; 148; 497; 1187; 1660; 1856; 2226; 2727; 2739; 3558; 3864; 4554; 4820; 4936; 4999
MalI	GA!TC	26	587; 611; 785; 926; 1043; 1268; 1365; 1895; 1921; 2097; 3277; 3281; 3300; 3611; 3689; 3770; 3779; 3857; 4233; 4249; 4608; 4620; 4698; 4706; 4717; 4792
MaqI	CRTTGACNNNNNNNNNNNNNNNNNNNNNN!	4	144; 197; 466; 540
MaqI	!NNNNNNNNNNNNNNNNNNNGTCAAYG	3	157; 240; 426
MauBI	CG!CGCGCG	0	
MbiI	CCG!CTC	2	2862; 4051
MbiI	GAG!CGG	3	2081; 2698; 4105
MboI	!GATC	26	585; 609; 783; 924; 1041; 1266; 1363; 1893; 1919; 2095; 3275; 3279; 3298; 3609; 3687; 3768; 3777; 3855; 4231; 4247; 4606; 4618; 4696; 4704; 4715; 4790
MboII	GAAGANNNNNNNNN!	8	1049; 1685; 1798; 2694; 2922; 3799; 4009; 4628
MboII	!NNNNNNNTCTTC	10	757; 1093; 1108; 1120; 1156; 1243; 4089; 4256; 4456; 4699
McaTI	GCGC!GC	0	
MfeI	C!AATTG	1	2188
MflI	R!GATCY	11	585; 609; 1363; 1919; 3609; 3855; 4247; 4606; 4618; 4704; 4715
MhII	GDGCH!C	14	620; 695; 916; 1436; 1463; 1496; 2629; 3384; 3477; 3551; 3741; 3803; 4513; 5046
MisI	TGG!CCA	2	2039; 3520
MluI	A!CGCGT	0	
MluNI	TGG!CCA	2	2039; 3520
MlyI	GAGTCNNNNNN!	3	1668; 2490; 2922

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MlyI	!NNNNNGACTC	6	404; 598; 2083; 2497; 4103; 4980
Mly113I	GG!CGCC	1	3438
MmeI	TCCRACNNNNNNNNNNNNNNNNNNNN!	1	2531
MmeI	!NNNNNNNNNNNNNNNNNNNGTYGGA	2	4963; 5147
MnII	CCTCNNNNNNN!	18	658; 719; 773; 797; 956; 1542; 1611; 1721; 1736; 1819; 1952; 2157; 3221; 4039; 4245; 4559; 4929; 5253
MnII	!NNNNNNGAGG	25	541; 667; 799; 1423; 1462; 1483; 1516; 1633; 1742; 1798; 1987; 2020; 2063; 2117; 2582; 2913; 3191; 3234; 3249; 3289; 3353; 3489; 3846; 4276; 5179
Mph1103I	ATGCA!T	3	3010; 3082; 5413
MreI	CG!CCGGCG	0	
MroI	T!CCGGA	0	
MroNI	G!CCGGC	4	940; 2655; 3938; 4221
MroXI	GAANN!NNTTC	0	
MscI	TGG!CCA	2	2039; 3520
MseI	T!TAA	18	7; 1026; 1398; 1623; 2139; 2200; 2321; 2342; 2353; 2365; 2376; 2393; 2491; 2762; 4581; 4595; 4600; 4652
MslI	CAYNN!NNRTG	4	365; 1382; 1412; 3875
MspI	C!CGG	24	601; 904; 941; 973; 1108; 1370; 1604; 1953; 2656; 3343; 3420; 3442; 3470; 3601; 3691; 3758; 3939; 4214; 4222; 4314; 4788; 4978; 5004; 5151
Msp20I	TGG!CCA	2	2039; 3520
MspA1I	CMG!CKG	6	922; 1832; 2936; 3544; 4773; 5018
MspCI	C!TTAAG	1	2320
MspJI	CNNRRNNNNNNNNN!	275	36; 50; 71; 97; 113; 127; 147; 167; 219; 236; 251; 290; 306; 319; 332; 352; 373; 407; 424; 449; 481; 500; 523; 548; 574; 596; 613; 627; 640; 654; 668; 683; 706; 722; 736; 763; 788; 802; 836; 862; 902; 916; 935; 949; 962; 976; 992; 1012; 1033; 1048; 1062; 1078; 1098; 1120; 1144; 1162; 1180; 1206; 1242; 1267; 1290; 1303; 1317; 1348; 1367; 1382; 1402; 1420; 1438; 1468; 1486; 1501; 1516; 1534; 1567; 1582; 1606; 1625; 1649; 1662; 1678; 1696; 1710; 1726; 1739; 1753; 1774; 1787; 1808; 1827; 1841; 1855; 1873; 1886; 1903; 1916; 1930; 1943; 1957; 1978; 1991; 2010; 2029; 2052; 2073; 2098; 2111; 2126; 2145; 2162; 2175; 2216; 2230; 2243; 2261; 2299; 2314; 2332; 2373; 2397; 2417; 2435; 2456; 2479; 2511; 2526; 2548; 2566; 2579; 2600; 2617; 2630; 2643; 2659; 2672; 2702; 2717; 2742; 2760; 2773; 2788; 2812; 2826; 2850; 2875; 2891; 2929; 2945; 2984; 2998; 3012; 3040; 3056; 3070; 3084; 3113; 3126; 3147; 3156; 3178; 3208; 3224; 3242; 3272; 3295; 3319; 3343; 3362; 3390; 3416; 3432; 3445; 3468; 3482; 3502; 3515; 3529; 3548; 3562; 3575; 3591; 3606; 3619; 3635; 3650; 3666; 3691; 3710; 3726; 3739; 3752; 3770; 3784; 3798; 3814; 3836; 3852; 3871; 3893; 3909; 3932; 3951; 3965; 3981; 3995; 4015; 4031; 4044; 4066; 4099; 4113; 4133; 4146; 4160; 4214; 4227; 4250; 4263; 4282; 4299; 4326; 4362; 4395; 4414; 4439; 4460; 4487; 4500; 4517; 4531; 4546; 4562; 4622; 4647; 4663; 4685; 4698; 4712; 4743; 4757; 4782; 4800; 4815; 4828; 4847; 4860; 4875; 4904; 4923; 4941; 4966; 4981; 5000; 5016; 5035; 5053; 5069; 5083; 5102; 5129; 5152; 5174; 5193; 5208; 5221; 5238; 5258; 5285; 5298; 5317; 5342; 5365; 5379; 5392; 5409

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MspJI	!NNNNNNNNNNNNNNYNG	227	8; 35; 59; 76; 97; 123; 145; 168; 197; 221; 269; 281; 310; 330; 347; 377; 400; 437; 465; 492; 511; 531; 553; 574; 593; 612; 635; 657; 674; 696; 721; 760; 785; 806; 823; 840; 861; 889; 914; 935; 959; 986; 1007; 1037; 1061; 1081; 1104; 1122; 1154; 1180; 1216; 1241; 1259; 1277; 1297; 1323; 1341; 1367; 1385; 1412; 1442; 1466; 1484; 1508; 1527; 1549; 1580; 1599; 1623; 1656; 1685; 1727; 1749; 1782; 1802; 1829; 1847; 1864; 1882; 1910; 1931; 1952; 1976; 1998; 2021; 2038; 2064; 2090; 2119; 2148; 2190; 2273; 2308; 2335; 2358; 2387; 2431; 2453; 2485; 2521; 2538; 2559; 2596; 2616; 2633; 2650; 2685; 2703; 2721; 2738; 2762; 2784; 2811; 2839; 2865; 2903; 2924; 2941; 2959; 2982; 3003; 3031; 3054; 3075; 3093; 3114; 3131; 3154; 3178; 3198; 3216; 3238; 3269; 3291; 3317; 3336; 3353; 3381; 3400; 3419; 3437; 3455; 3476; 3498; 3522; 3555; 3575; 3593; 3614; 3640; 3667; 3684; 3701; 3718; 3744; 3766; 3788; 3806; 3826; 3845; 3867; 3905; 3925; 3949; 3969; 3989; 4016; 4040; 4073; 4092; 4120; 4142; 4171; 4199; 4224; 4243; 4262; 4283; 4300; 4317; 4348; 4375; 4395; 4418; 4438; 4475; 4492; 4511; 4537; 4557; 4596; 4623; 4642; 4660; 4697; 4715; 4756; 4774; 4800; 4817; 4849; 4878; 4906; 4927; 4950; 4969; 4990; 5008; 5025; 5043; 5069; 5090; 5110; 5130; 5148; 5169; 5195; 5212; 5231; 5250; 5279; 5298; 5316; 5335; 5353; 5371; 5394
MspR9I	CC!NGG	26	90; 283; 855; 950; 1109; 1195; 1231; 1556; 1605; 1700; 1715; 1844; 1953; 2974; 3029; 3046; 3442; 3602; 3825; 4215; 4404; 4507; 4979; 5197; 5210; 5331
MssI	GTTT!AAAC	0	
MunI	C!AATTG	1	2188
MvaI	CC!WGG	19	90; 283; 855; 950; 1195; 1231; 1556; 1700; 1715; 1844; 2974; 3029; 3046; 3825; 4404; 4507; 5197; 5210; 5331
MvaI269I	GAATGCN!	1	2189
MvaI269I	G!CATTC	1	2282
MvnI	CG!CG	18	60; 635; 800; 1361; 2087; 2362; 2738; 2758; 2782; 2813; 3504; 3805; 4243; 4327; 4390; 4459; 4732; 5313
MvrI	CGAT!CG	0	
MwoI	GCNNNNN!NNGC	27	90; 212; 244; 283; 376; 400; 1417; 1848; 2665; 2695; 2722; 2764; 3005; 3077; 3128; 3207; 3429; 3513; 3536; 3675; 3798; 3881; 4148; 4335; 4539; 4738; 5310
NaeI	GCC!GGC	4	942; 2657; 3940; 4223
NarI	GG!CGCC	1	3438
NciI	CC!SGG	7	1109; 1605; 1953; 3442; 3602; 4215; 4979
NcoI	C!CATGG	4	360; 1380; 3167; 3870
NdeI	CA!TATG	1	234
NdeII	!GATC	26	585; 609; 783; 924; 1041; 1266; 1363; 1893; 1919; 2095; 3275; 3279; 3298; 3609; 3687; 3768; 3777; 3855; 4231; 4247; 4606; 4618; 4696; 4704; 4715; 4790
NgoAVIII	GACNNNNNTGANNNNNNNNNNN!	1	280
NgoAVIII	!NNNNNNNNNNNTCANNNNNGTC	3	1119; 1325; 1500
NgoAVIII	TCANNNNNGTCNNNNNNNNNNNN!	3	1155; 1361; 1536
NgoAVIII	!NNNNNNNNNNNGACNNNNNTGA	1	244
NgoMIV	G!CCGGC	4	940; 2655; 3938; 4221
NheI	G!CTAGC	1	591
NlaIII	CATG!	31	304; 364; 784; 931; 1003; 1135; 1153; 1171; 1267; 1384; 1411; 1417; 1429; 1507; 1573; 1653; 1857; 1864; 2868; 3008; 3080; 3171; 3312; 3657; 3843; 3874; 3900; 4256; 4640; 5360; 5411
NlaIV	GGN!NCC	20	467; 1072; 1073; 1365; 1435; 1495; 1886; 2593; 2614; 2626; 2817; 2978; 3050; 3439; 3474; 4322; 4401; 4446; 5289; 5328
NlaCI	CATCACNNNNNNNNNNNNNNNNNN!	4	1324; 2270; 2585; 4177
NlaCI	!NNNNNNNNNNNNNNNNNGTGATG	4	347; 1760; 2046; 5249
Nlj3877I	CYCGR!G	3	617; 653; 714
NmeAIII	GCCGAGNNNNNNNNNNNNNNNNNN!	2	3227; 3663
NmeAIII	!NNNNNNNNNNNNNNNNNNCTCGGC	2	1776; 3192
NmeDI	RCCGGYNNNNNNN!	6	952; 1381; 2667; 3769; 3950; 4233
NmeDI	!NNNNNNNNNNNNRCCGGY	6	927; 1356; 2642; 3744; 3925; 4208
NmuCI	!GTSAC	5	1660; 1856; 2727; 3558; 3864
NotI	GC!GGCCGC	2	636; 2082
NruI	TCG!CGA	0	
NsbI	TGC!GCA	1	3540
NsiI	ATGCA!T	3	3010; 3082; 5413
NspI	RCATG!Y	6	1411; 1857; 3008; 3080; 3843; 5360

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
NspV	TT!CGAA	3	627; 1119; 4120
OliI	CACNN!NNGTG	1	1382
PabI	GTA!C	11	220; 245; 300; 333; 384; 541; 1155; 1425; 1575; 1827; 3745
PacI	TTAAT!TAA	0	
PaeI	GCATG!C	3	3008; 3080; 3843
PaeR7I	C!TCGAG	1	613
PagI	T!CATGA	5	780; 999; 1263; 2864; 4636
PalAI	GG!CGCGCC	0	
PasI	CC!CWGGG	2	4403; 4506
PauI	G!CGCGC	0	
PceI	AGG!CCT	2	1808; 3259
PciI	A!CATGT	1	5356
PciSI	GCTCTCN!	0	
PciSI	!NNNNGAAGAGC	2	3782; 3992
PcsI	WCGNNNN!NNNCGW	7	2022; 3732; 3809; 4052; 4126; 4519; 5037
PctI	GAATGCN!	1	2189
PctI	G!CATTC	1	2282
PdiI	GCC!GGC	4	942; 2657; 3940; 4223
PdmI	GAANN!NNTTC	0	
PfeI	G!AWTC	7	1509; 1986; 3923; 4057; 4167; 4204; 5382
Pfi23II	C!GTACG	0	
PfifI	GACN!NNGTC	1	3556
PfimiI	CCANNNN!NTGG	1	1978
PfoI	T!CCNGGA	2	1713; 4213
PhoI	GG!CC	34	84; 277; 638; 797; 944; 968; 1198; 1234; 1530; 1773; 1808; 1842; 1865; 1887; 1997; 2039; 2084; 2404; 2546; 3201; 3207; 3216; 3259; 3346; 3520; 3911; 3938; 4447; 4504; 4537; 4882; 5316; 5334; 5345
PinAI	A!CCGGT	1	1369
PlaDI	CATCAGNNNNNNNNNNNNNNNNNNNNNN!	1	3819
PlaDI	!NNNNNNNNNNNNNNNNNNNNCTGATG	2	3384; 3639
PleI	GAGTCNNNN!	3	1667; 2489; 2921
PleI	!NNNNNGACTC	6	404; 598; 2083; 2497; 4103; 4980
Ple19I	CGAT!CG	0	
PmaCI	CAC!GTG	1	964
PmeI	GTTT!AAAC	0	
PmlI	CAC!GTG	1	964
PpiI	GAACNNNNNCTCNNNNNNNNNNNNNN!	1	2520
PpiI	!NNNNNNNNGAGNNNNNGTTC	1	4650
PpiI	GAGNNNNNGTTCNNNNNNNNNNNNNN!	1	4682
PpiI	!NNNNNNNGAACNNNNNCTC	1	2488
PpsI	GAGTCNNNN!	3	1667; 2489; 2921
PpsI	!NNNNNGACTC	6	404; 598; 2083; 2497; 4103; 4980
Ppu10I	A!TGCAT	3	3006; 3078; 5409
Ppu21I	YAC!GTR	4	340; 964; 2554; 3742
PpuMI	RG!GWCCY	1	1071
PscI	A!CATGT	1	5356
PshAI	GACNN!NNGTC	1	2012
PshBI	AT!TAAT	1	7
PsiI	TTA!TAA	2	2221; 2426
Psp03I	GGWC!C	6	1060; 1074; 1086; 1972; 3957; 4402
Psp5II	RG!GWCCY	1	1071
Psp6I	!CCWGG	19	88; 281; 853; 948; 1193; 1229; 1554; 1698; 1713; 1842; 2972; 3027; 3044; 3823; 4402; 4505; 5195; 5208; 5329
Psp1406I	AA!CGTT	0	
Psp124BI	GAGCT!C	1	620
PspCI	CAC!GTG	1	964
PspEI	G!GTNACC	0	
PspGI	!CCWGG	19	88; 281; 853; 948; 1193; 1229; 1554; 1698; 1713; 1842; 2972; 3027; 3044; 3823; 4402; 4505; 5195; 5208; 5329
PspLI	C!GTACG	0	
PspN4I	GGN!NCC	20	467; 1072; 1073; 1365; 1435; 1495; 1886; 2593; 2614; 2626; 2817; 2978; 3050; 3439; 3474; 4322; 4401; 4446; 5289; 5328
PspOMI	G!GGCCC	0	
PspOMII	CGCCCARNNNNNNNNNNNNNNNNNNNN!	3	125; 3168; 4167



Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
PspOMII	!NNNNNNNNNNNNNNNNNNNYTGGGCG	1	3570
PspPI	G!GNCC	18	83; 276; 943; 1057; 1071; 1083; 1233; 1529; 1772; 1864; 1885; 1969; 2545; 3954; 4399; 4445; 4503; 4536
PspPPI	RG!GWCCY	1	1071
PspPRI	CCYCAGNNNNNNNNNNNNNNNN!	3	2991; 3063; 4569
PspPRI	!NNNNNNNNNNNNNNNNCTGRGG	3	1624; 2904; 4099
PspXI	VC!TCGAGB	0	
PsrI	GAACNNNNNTACNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGTANNNNNNGTTC	0	
PsrI	GTANNNNNNGTTCNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGAACNNNNNNNTAC	0	
PssI	RGGNC!CY	2	1074; 4539
PstI	CTGCA!G	1	921
PstNI	CAGNNN!CTG	3	1177; 4539; 4947
PsuI	R!GATCY	11	585; 609; 1363; 1919; 3609; 3855; 4247; 4606; 4618; 4704; 4715
PsyI	GACN!NNGTC	1	3556
PteI	G!CGCGC	0	
PvuI	CGAT!CG	0	
PvuII	CAG!CTG	3	922; 2936; 3544
RcaI	T!CATGA	5	780; 999; 1263; 2864; 4636
RceI	CATCGACNNNNNNNNNNNNNNNNNN!	1	3953
RceI	!NNNNNNNNNNNNNNNNNGTCGATG	0	
RgaI	GCGAT!CGC	0	
RigI	GGCCGG!CC	0	
RleAI	CCCACANNNNNNNNNNNNNN!	2	1252; 2167
RleAI	!NNNNNNNNNTGTGGG	1	800
RpaBI	CCCGCAGNNNNNNNNNNNNNNNNNNNN!	0	
RpaBI	!NNNNNNNNNNNNNNNNNNCTGCGGG	0	
RpaB5I	CGRGACNNNNNNNNNNNNNNNNNNNN!	0	
RpaB5I	!NNNNNNNNNNNNNNNNNGTCCYCG	0	
RruI	TCG!CGA	0	
RsaI	GT!AC	11	219; 244; 299; 332; 383; 540; 1154; 1424; 1574; 1826; 3744
RsaNI	G!TAC	11	218; 243; 298; 331; 382; 539; 1153; 1423; 1573; 1825; 3743
RseI	CAYNN!NNRTG	4	365; 1382; 1412; 3875
RsrII	CG!GWCCG	1	3954
Rsr2I	CG!GWCCG	1	3954
SacI	GAGCT!C	1	620
SacII	CCGC!GG	0	
SalI	G!TCGAC	0	
SapI	GCTCTTCN!	0	
SapI	!NNNNGAAGAGC	2	3782; 3992
SaqAI	T!TAA	18	7; 1026; 1398; 1623; 2139; 2200; 2321; 2342; 2353; 2365; 2376; 2393; 2491; 2762; 4581; 4595; 4600; 4652
SatI	GC!NGC	40	636; 639; 798; 920; 1172; 1528; 1579; 1723; 1840; 2021; 2082; 2085; 2215; 2734; 2756; 2770; 3208; 3347; 3399; 3410; 3500; 3505; 3542; 3583; 3670; 3673; 3676; 3912; 4008; 4049; 4063; 4177; 4516; 4531; 4742; 4948; 4951; 5016; 5159; 5314
Sau96I	G!GNCC	18	83; 276; 943; 1057; 1071; 1083; 1233; 1529; 1772; 1864; 1885; 1969; 2545; 3954; 4399; 4445; 4503; 4536
Sau3AI	!GATC	26	585; 609; 783; 924; 1041; 1266; 1363; 1893; 1919; 2095; 3275; 3279; 3298; 3609; 3687; 3768; 3777; 3855; 4231; 4247; 4606; 4618; 4696; 4704; 4715; 4790
SbfI	CCTGCA!GG	0	
ScaI	AGT!ACT	0	
SchI	GAGTCNNNNN!	3	1668; 2490; 2922
SchI	!NNNNNGACTC	6	404; 598; 2083; 2497; 4103; 4980
SciI	CTC!GAG	1	615
ScrFI	CC!NGG	26	90; 283; 855; 950; 1109; 1195; 1231; 1556; 1605; 1700; 1715; 1844; 1953; 2974; 3029; 3046; 3442; 3602; 3825; 4215; 4404; 4507; 4979; 5197; 5210; 5331
SdaI	CCTGCA!GG	0	
SdeAI	CAGRAGNNNNNNNNNNNNNNNNNNNN!	6	1078; 1810; 3016; 3088; 3257; 5199
SdeAI	!NNNNNNNNNNNNNNNNNNCTYCTG	3	927; 3593; 4078
SdeOSI	GACNNNNRTGANNNNNNNNNNNN!	1	279
SdeOSI	!NNNNNNNNNNNTCAYNNNNNGTC	1	1120

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SdeOSI	TCAYNNNNNGTCNNNNNNNNNNNNNN!	1	1154
SdeOSI	!NNNNNNNNNNNGACNNNNNRTGA	1	245
SduI	GDGCH!C	14	620; 695; 916; 1436; 1463; 1496; 2629; 3384; 3477; 3551; 3741; 3803; 4513; 5046
SelI	!CGCG	18	58; 633; 798; 1359; 2085; 2360; 2736; 2756; 2780; 2811; 3502; 3803; 4241; 4325; 4388; 4457; 4730; 5311
SetI	ASST!	76	125; 137; 178; 261; 308; 342; 447; 552; 568; 620; 626; 810; 924; 958; 966; 1059; 1088; 1126; 1311; 1331; 1395; 1422; 1518; 1568; 1589; 1740; 1746; 1875; 1893; 1905; 1944; 1968; 2012; 2016; 2031; 2074; 2128; 2149; 2158; 2170; 2219; 2386; 2501; 2513; 2556; 2593; 2643; 2666; 2790; 2938; 3033; 3226; 3339; 3467; 3546; 3557; 3629; 3700; 3744; 4004; 4150; 4194; 4525; 4556; 4615; 4658; 4801; 4822; 4921; 5058; 5073; 5092; 5104; 5148; 5194; 5245
SexAI	A!CCWGGT	1	3027
SfaAI	GCGAT!CGC	0	
SfaNI	GCATCNNNNN!	11	714; 786; 1107; 1296; 1617; 2254; 3017; 3089; 3737; 3801; 4076
SfaNI	!NNNNNNNNNGATGC	7	357; 1770; 1938; 3396; 3651; 3867; 5259
SfcI	C!TRYAG	5	698; 917; 2773; 4900; 5091
SfiI	GGCCNNNN!NGGCC	1	3213
SfoI	GGC!GCC	1	3439
Sfr274I	C!TCGAG	1	613
Sfr303I	CCGC!GG	0	
SfuI	TT!CGAA	3	627; 1119; 4120
SgeI	CNNGNNNNNNNNNN!	218	6; 36; 71; 97; 123; 223; 236; 252; 290; 307; 336; 373; 407; 426; 491; 548; 579; 604; 625; 646; 661; 683; 722; 736; 763; 793; 811; 836; 862; 916; 940; 953; 974; 992; 1012; 1033; 1063; 1087; 1107; 1120; 1144; 1162; 1180; 1206; 1242; 1267; 1290; 1303; 1350; 1367; 1382; 1402; 1420; 1438; 1468; 1492; 1510; 1525; 1567; 1582; 1606; 1625; 1649; 1662; 1690; 1711; 1726; 1753; 1775; 1808; 1828; 1841; 1855; 1873; 1886; 1903; 1916; 1936; 1957; 1978; 1991; 2029; 2052; 2073; 2098; 2145; 2174; 2216; 2299; 2373; 2457; 2479; 2511; 2548; 2566; 2585; 2600; 2642; 2659; 2676; 2711; 2725; 2742; 2764; 2788; 2812; 2877; 2891; 2929; 2945; 2985; 2998; 3017; 3040; 3057; 3070; 3089; 3119; 3140; 3157; 3180; 3215; 3242; 3273; 3295; 3321; 3343; 3362; 3390; 3426; 3445; 3468; 3482; 3502; 3515; 3529; 3548; 3562; 3581; 3613; 3627; 3640; 3666; 3697; 3710; 3727; 3744; 3758; 3775; 3793; 3808; 3836; 3852; 3871; 3893; 3909; 3932; 3951; 3976; 3995; 4015; 4042; 4066; 4099; 4118; 4146; 4160; 4226; 4250; 4265; 4288; 4309; 4326; 4374; 4401; 4415; 4444; 4468; 4501; 4518; 4538; 4551; 4564; 4622; 4649; 4668; 4698; 4723; 4743; 4757; 4782; 4800; 4837; 4875; 4904; 4932; 4946; 4966; 4981; 5002; 5016; 5035; 5053; 5069; 5109; 5129; 5156; 5174; 5195; 5208; 5221; 5238; 5262; 5285; 5317; 5342; 5369; 5391
SgeI	!NNNNNNNNNNNNNCNNG	190	10; 45; 71; 97; 197; 226; 264; 281; 310; 347; 381; 400; 465; 522; 553; 578; 599; 620; 637; 657; 696; 721; 767; 785; 810; 836; 890; 914; 935; 959; 986; 1007; 1037; 1061; 1081; 1118; 1136; 1154; 1180; 1216; 1241; 1264; 1324; 1341; 1367; 1394; 1412; 1442; 1466; 1484; 1508; 1541; 1580; 1599; 1623; 1664; 1685; 1727; 1749; 1782; 1802; 1829; 1847; 1868; 1890; 1910; 1931; 1952; 1976; 2003; 2026; 2047; 2072; 2119; 2148; 2190; 2273; 2347; 2431; 2453; 2485; 2522; 2540; 2559; 2616; 2633; 2650; 2685; 2703; 2723; 2743; 2762; 2786; 2851; 2903; 2959; 2991; 3014; 3031; 3063; 3093; 3114; 3131; 3154; 3189; 3216; 3247; 3269; 3295; 3317; 3336; 3364; 3400; 3419; 3442; 3463; 3481; 3498; 3522; 3555; 3587; 3614; 3640; 3671; 3701; 3718; 3744; 3767; 3788; 3810; 3830; 3850; 3867; 3906; 3925; 3950; 3969; 3989; 4016; 4040; 4073; 4092; 4120; 4142; 4200; 4224; 4243; 4262; 4283; 4300; 4348; 4375; 4395; 4418; 4442; 4475; 4492; 4512; 4538; 4596; 4623; 4642; 4672; 4697; 4717; 4756; 4774; 4811; 4849; 4878; 4906; 4927; 4955; 4976; 5009; 5027; 5083; 5103; 5130; 5148; 5169; 5195; 5212; 5236; 5259; 5291; 5316; 5343; 5365; 5394
Sgfl	GCGAT!CGC	0	
SgrAI	CR!CCGGYG	0	
SgrBI	CCGC!GG	0	
SgrDI	CG!TCGACG	0	
SgsI	GG!CGCGCC	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SimI	GGIGTC	6	27; 1071; 1111; 2585; 4372; 5165
SimI	!GACCC	4	106; 3866; 4434; 4682
SinI	G!GWCC	6	1057; 1071; 1083; 1969; 3954; 4399
SlaI	C!TCGAG	1	613
SmaI	CCC!GGG	0	
SmiI	ATTT!AAAT	0	
SmiMI	CAYNN!NNRTG	4	365; 1382; 1412; 3875
SmlI	C!TYRAG	9	613; 619; 1904; 1943; 2320; 3829; 4711; 4988; 5250
SmoI	C!TYRAG	9	613; 619; 1904; 1943; 2320; 3829; 4711; 4988; 5250
SmuI	CCCGCNNNN!	10	93; 119; 286; 1837; 1939; 2760; 3115; 3136; 4332; 4464
SmuI	!NNNNNNGCGGG	6	1874; 2691; 3561; 4098; 4236; 4383
SnaBI	TAC!GTA	1	340
SpeI	A!CTAGT	0	
SphI	GCATG!C	3	3008; 3080; 3843
SrfI	GCCC!GGGC	0	
Sse9I	!AATT	12	18; 629; 1281; 2188; 2252; 2330; 2356; 2367; 3014; 3086; 3178; 4596
Sse8387I	CCTGCA!GG	0	
Sse8647I	AG!GWCCT	0	
SseBI	AGG!CCT	2	1808; 3259
SsiI	C!CGC	38	58; 86; 98; 112; 279; 507; 589; 639; 775; 798; 1692; 1830; 1932; 2085; 2753; 2756; 2770; 2860; 3108; 3120; 3129; 3141; 3151; 3162; 3208; 3347; 3410; 3912; 3957; 4023; 4049; 4174; 4177; 4325; 4457; 4764; 4908; 5404
SsiI	G!CGG	29	370; 403; 528; 635; 1361; 1527; 1839; 1881; 2081; 2698; 2725; 2813; 2923; 3504; 3568; 3669; 3672; 3952; 4007; 4105; 4243; 4390; 4530; 4773; 5018; 5139; 5158; 5285; 5313
SspI	AAT!ATT	2	2346; 2899
SspDI	G!GCGCC	1	3437
SspD5I	GGTGANNNNNNNN!	7	376; 1192; 1396; 1765; 2075; 4509; 4625
SspD5I	!NNNNNNNNTCACC	3	1653; 2554; 3615
SstI	GAGCT!C	1	620
SstII	CCGC!GG	0	
SstE37I	CGAAGACNNNNNNNNNNNNNNNNNNNN!	1	1698
SstE37I	!NNNNNNNNNNNNNNNNNGTCTTCG	0	
Sth132I	CCCGNNNN!	19	92; 118; 285; 1620; 1836; 1938; 1959; 2637; 2759; 3114; 3135; 3448; 3851; 3990; 4061; 4331; 4463; 4693; 5131
Sth132I	!NNNNNNNNCGGG	24	15; 407; 470; 642; 703; 1100; 1596; 1669; 1873; 2638; 2690; 2791; 3518; 3560; 3593; 4097; 4206; 4235; 4382; 4486; 4517; 4970; 5014; 5222
Sth302II	CC!GG	24	602; 905; 942; 974; 1109; 1371; 1605; 1954; 2657; 3344; 3421; 3443; 3471; 3602; 3692; 3759; 3940; 4215; 4223; 4315; 4789; 4979; 5005; 5152
StrI	C!TCGAG	1	613
StsI	GGATGNNNNNNNNNN!	4	3306; 3763; 3788; 4242
StsI	!NNNNNNNNNNNNNNNNCATCC	8	653; 691; 886; 1273; 1449; 1537; 1594; 3110
StuI	AGG!CCT	2	1808; 3259
StyI	C!CWWGG	6	360; 1380; 3167; 3260; 3870; 4275
StyD4I	!CCNGG	26	88; 281; 853; 948; 1107; 1193; 1229; 1554; 1603; 1698; 1713; 1842; 1951; 2972; 3027; 3044; 3440; 3600; 3823; 4213; 4402; 4505; 4977; 5195; 5208; 5329
SwaI	ATTT!AAAT	0	
TaaI	ACN!GT	19	76; 198; 269; 543; 581; 659; 760; 1213; 1249; 1258; 1438; 2529; 3818; 3934; 4042; 4365; 4856; 5326; 5397
TaiI	ACGT!	18	125; 137; 178; 261; 342; 447; 966; 1740; 1968; 2016; 2501; 2513; 2556; 2666; 3557; 3744; 4525; 4658
TaqI	T!CGA	19	614; 627; 1035; 1065; 1119; 1521; 1548; 2016; 2587; 3278; 3551; 3707; 3731; 3767; 3929; 4120; 4165; 4420; 5258
TaqII	GACCGANNNNNNNNNN!	3	2458; 3475; 4143
TaqII	!NNNNNNNNNTCGGTC	1	4387
TaqII	CACCCANNNNNNNNNN!	1	1511
TaqII	!NNNNNNNNNTGGGTG	3	172; 3342; 3934
TasI	!AATT	12	18; 629; 1281; 2188; 2252; 2330; 2356; 2367; 3014; 3086; 3178; 4596
TatI	W!GTACW	6	217; 297; 330; 381; 1152; 1422

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
TauI	GCSG!C	22	638; 641; 800; 1530; 1842; 2084; 2087; 2758; 2772; 3210; 3349; 3412; 3507; 3672; 3675; 3914; 4010; 4051; 4179; 4533; 5161; 5316
TfiI	G!AWTC	7	1509; 1986; 3923; 4057; 4167; 4204; 5382
TliI	C!TCGAG	1	613
TruII	T!TAA	18	7; 1026; 1398; 1623; 2139; 2200; 2321; 2342; 2353; 2365; 2376; 2393; 2491; 2762; 4581; 4595; 4600; 4652
Tru9I	T!TAA	18	7; 1026; 1398; 1623; 2139; 2200; 2321; 2342; 2353; 2365; 2376; 2393; 2491; 2762; 4581; 4595; 4600; 4652
TscAI	CASTGNN!	8	664; 763; 1218; 2284; 3567; 4677; 4948; 4961
TseI	G!CWGC	18	919; 1171; 1578; 1722; 2020; 2214; 2733; 3398; 3499; 3541; 3582; 3675; 4062; 4515; 4741; 4947; 4950; 5015
TsoI	TARCCANNNNNNNNNNN!	2	2410; 2757
TsoI	!NNNNNNNNNTGGYTA	3	1547; 2215; 3967
Tsp45I	!GTSAC	5	1660; 1856; 2727; 3558; 3864
Tsp509I	!AATT	12	18; 629; 1281; 2188; 2252; 2330; 2356; 2367; 3014; 3086; 3178; 4596
TspDTI	ATGAANNNNNNNNNNN!	5	1016; 1430; 2196; 3497; 4201
TspDTI	!NNNNNNNNNTTCAT	13	26; 757; 988; 1120; 1156; 1213; 1252; 1312; 1558; 1579; 3915; 4371; 4578
TspEI	!AATT	12	18; 629; 1281; 2188; 2252; 2330; 2356; 2367; 3014; 3086; 3178; 4596
TspGWI	ACGGANNNNNNNNNNN!	2	1006; 4313
TspGWI	!NNNNNNNNNTCCGT	1	1049
TspMI	C!CCGGG	0	
TspRI	CASTGNN!	8	664; 763; 1218; 2284; 3567; 4677; 4948; 4961
TstI	CACNNNNNTCCNNNNNNNNNNNN!	0	
TstI	!NNNNNNNGGANNNNNNGTG	0	
TstI	GGANNNNNNGTGNNNNNNNNNNNN!	0	
TstI	!NNNNNNNCCACNNNNNTCC	0	
Tth111I	GACN!NNGTC	1	3556
Tth111II	CAARCANNNNNNNNNNN!	3	740; 1610; 4765
Tth111III	!NNNNNNNNNTGYTTG	4	825; 3873; 4733; 4772
UnbI	!GGNCC	18	82; 275; 942; 1056; 1070; 1082; 1232; 1528; 1771; 1863; 1884; 1968; 2544; 3953; 4398; 4444; 4502; 4535
Van9II	CCANNNN!NTGG	1	1978
Vha464I	C!TTAAG	1	2320
VneI	G!TGCAC	2	1459; 5042
VpaK11AI	!GGWCC	6	1056; 1070; 1082; 1968; 3953; 4398
VpaK11BI	G!GWCC	6	1057; 1071; 1083; 1969; 3954; 4399
VspI	AT!TAAT	1	7
XagI	CCTNN!NNNAGG	0	
XapI	R!AATY	5	629; 1281; 2252; 2356; 2367
XbaI	T!CTAGA	1	2092
XceI	RCATG!Y	6	1411; 1857; 3008; 3080; 3843; 5360
XcmI	CCANNNN!NNNTGG	0	
XhoI	C!TCGAG	1	613
XhoII	R!GATCY	11	585; 609; 1363; 1919; 3609; 3855; 4247; 4606; 4618; 4704; 4715
XmaI	C!CCGGG	0	
XmaJI	C!CTAGG	2	3260; 4275
XmiI	GT!MKAC	1	1959
XmnI	GAANN!NNTTC	0	
XspI	C!TAG	8	592; 2093; 2287; 2705; 3261; 4276; 4610; 4863
ZraI	GAC!GTC	4	123; 176; 259; 445
ZrmI	AGT!ACT	0	
Zsp2I	ATGCA!T	3	3010; 3082; 5413