

pmKate2-clathrin vector

Table of restriction sites

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AanI	TTA!TAA	2	2144; 2349
AarI	CACCTGCNNNN!	1	1506
AarI	!NNNNNNNNGCAGGTG	0	
AasI	GACNNNN!NNGTC	4	1983; 2432; 3388; 5177
AatI	AGG!CCT	2	1039; 3182
AatII	GACGT!C	4	125; 178; 261; 447
AbsI	CC!TCGAGG	0	
AccI	GT!MKAC	2	1190; 1355
AccII	CG!CG	15	60; 2249; 2285; 2661; 2681; 2705; 2736; 3427; 3728; 4166; 4250; 4313; 4382; 4655; 5236
AccIII	T!CCGGA	1	1315
Acc16I	TGC!GCA	1	3463
Acc36I	ACCTGCNNNN!	3	1506; 3629; 4079
Acc36I	!NNNNNNNNGCAGGT	1	3248
Acc65I	G!GTACC	0	
AccB1I	G!GYRCC	8	465; 664; 724; 1399; 1494; 2514; 3360; 3395
AccB7I	CCANNNN!NTGG	0	
AccBSI	CCG!CTC	2	2785; 3974
AccBSI	GAG!CGG	2	2621; 4028
AceIII	CAGCTCNNNNNNN!	1	2317
AceIII	!NNNNNNNNNNGAGCTG	3	552; 610; 1693
AciI	C!CGC	39	58; 86; 98; 112; 279; 507; 589; 923; 1061; 1163; 1433; 1520; 1668; 1944; 1989; 2676; 2679; 2693; 2783; 3031; 3043; 3052; 3064; 3074; 3085; 3131; 3270; 3333; 3835; 3880; 3946; 3972; 4097; 4100; 4248; 4380; 4687; 4831; 5327
AciI	G!CGG	32	370; 403; 528; 748; 758; 1070; 1112; 1411; 1414; 1429; 1513; 1743; 2621; 2648; 2736; 2846; 3427; 3491; 3592; 3595; 3875; 3930; 4028; 4166; 4313; 4453; 4696; 4941; 5062; 5081; 5208; 5236
AcII	AA!CGTT	0	
AcIWI	GGATCNNNN!	9	2004; 2013; 3229; 3540; 3786; 4178; 4537; 4635; 4721
AcIWI	!NNNNNGATCC	7	580; 1145; 1991; 3605; 4149; 4536; 4633
AcoI	Y!GGCCR	6	1268; 1430; 3267; 3441; 3832; 3859
AcsI	R!AATY	4	1344; 2175; 2279; 2290
AcuI	CTGAAGNNNNNNNNNNNNNNN!	4	1120; 1990; 3507; 3939
AcuI	!NNNNNNNNNNNNNNCTTCAG	1	4737
AcvI	CAC!GTG	0	
AcyI	GR!CGYC	9	122; 175; 258; 444; 1187; 1978; 3361; 4063; 4142
AdeI	CACNNN!GTG	3	1260; 1877; 2477
AfaI	GT!AC	10	219; 244; 299; 332; 383; 540; 655; 805; 1057; 3667
AfeI	AGC!GCT	1	596
AfiI	CCNNNNN!NNGG	24	49; 721; 834; 1000; 1066; 1410; 1540; 1612; 1953; 2373; 2699; 3091; 3342; 3886; 4167; 4199; 4331; 4366; 4416; 4448; 4801; 5080; 5246; 5264
AfIII	C!TTAAG	0	
AfIII	A!CRYGT	2	2247; 5279
AgeI	A!CCGGT	1	600
AgsI	TTS!AA	8	687; 1137; 1908; 2772; 2816; 2826; 3239; 4815
AhdI	GACNNN!NNGTC	0	
AhII	A!CTAGT	0	
AjiI	CAC!GTC	0	
AjiI	GAC!GTG	0	
AjnI	!CCWGG	21	88; 281; 785; 833; 929; 944; 1073; 1439; 1631; 1649; 1763; 1866; 2895; 2950; 2967; 3746; 4325; 4428; 5118; 5131; 5252
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	2935; 3007
AlfI	!NNNNNNNNNNNGCANNNNNTGC	2	2901; 2973
AloI	GAACNNNNNTCCNNNNNNNNNNNN!	2	1011; 2443
AloI	!NNNNNNNGGANNNNNGTTC	0	
AloI	GGANNNNNGTTCNNNNNNNNNNNN!	0	
AloI	!NNNNNNNGAACNNNNNTCC	2	979; 2411
AluI	AG!CT	20	566; 624; 651; 797; 1104; 1333; 1339; 1707; 1896; 2140; 2307; 2564; 2859; 3147; 3467; 3925; 4722; 4979; 5025; 5115
AluBI	AG!CT	20	566; 624; 651; 797; 1104; 1333; 1339; 1707; 1896; 2140; 2307; 2564; 2859; 3147; 3467; 3925; 4722; 4979; 5025; 5115
AlwI	GGATCNNNN!	9	2004; 2013; 3229; 3540; 3786; 4178; 4537; 4635; 4721
AlwI	!NNNNNGATCC	7	580; 1145; 1991; 3605; 4149; 4536; 4633
Alw21I	GWGCW!C	6	694; 1335; 1961; 3474; 3664; 4969
Alw26I	GTCTCN!	1	434
Alw26I	!NNNNNGAGAC	7	1042; 1231; 1855; 2785; 3203; 4222; 4350
Alw44I	G!TGCAC	2	690; 4965
AlwNI	CAGNNN!CTG	3	1277; 4462; 4870
Ama87I	C!YCGRG	1	1328
Aor13HI	T!CCGGA	1	1315
Aor51HI	AGC!GCT	1	596
ApaI	GGGCC!C	1	1534
ApaBI	GCANNNNN!TGC	5	1628; 1929; 2929; 3001; 4463
ApaLI	G!TGCAC	2	690; 4965
ApeKI	G!CWGC	21	809; 953; 1251; 1505; 1621; 1698; 1714; 1919; 2137; 2656; 3321; 3422; 3464; 3505; 3598; 3985; 4438; 4664; 4870; 4873; 4938
ApoI	R!AATY	4	1344; 2175; 2279; 2290
ApyPI	ATCGACNNNNNNNNNNNNNNNNNN!	1	3876
ApyPI	!NNNNNNNNNNNNNNNNNGTCGAT	3	3670; 4323; 5161
AquII	GCCGNACNNNNNNNNNNNNNNNNNN!	1	3760
AquII	!NNNNNNNNNNNNNNNNNGTNCGGC	1	785
AquIII	GAGGAGNNNNNNNNNNNNNNNNNN!	6	1442; 1706; 1793; 1856; 1883; 3189
AquIII	!NNNNNNNNNNNNNNNNNCTCCTC	0	
AquIV	GRGGAAGNNNNNNNNNNNNNNNNNN!	0	
AquIV	!NNNNNNNNNNNNNNNNNCTCCYC	1	3931
ArsI	GACNNNNNTTYGNNNNNNNNNNNN!	1	1503
ArsI	!NNNNNCRANNNNNNNGTC	0	
ArsI	CRAANNNNNGTCNNNNNNNNNNNN!	0	
ArsI	!NNNNNNNGACNNNNNTTYG	1	1471
AscI	GG!CGCGCC	0	
AseI	AT!TAAT	1	7
Asi256I	G!ATC	25	586; 975; 1125; 1151; 1325; 1812; 1997; 2006; 2019; 3199; 3203; 3222; 3533; 3611; 3692; 3701; 3779; 4155; 4171; 4530; 4542; 4620; 4628; 4639; 4714
AsiGI	A!CCGGT	1	600
AsiSI	GCGAT!CGC	0	
AspI	GACN!NNGTC	1	3479
Asp700I	GAANN!NNTTC	0	
Asp718I	G!GTACC	0	
AspA2I	C!CTAGG	2	3183; 4198
AspEI	GACNNN!NNGTC	0	
AspLEI	GCG!C	23	597; 1784; 1952; 2627; 2635; 2661; 2683; 2692; 2705; 2736; 3355; 3363; 3427; 3464; 3730; 3990; 4166; 4252; 4655; 4764; 4938; 5038; 5105
AspS9I	G!GNCC	20	83; 276; 760; 1003; 1095; 1116; 1422; 1443; 1515; 1531; 1565; 1603; 1761; 1890; 2468; 3877; 4322; 4368; 4426; 4459
AssI	AGT!ACT	0	
AsuII	TT!CGAA	2	1342; 4043
AsuC2I	CC!SGG	9	1184; 1405; 1426; 1529; 1822; 3365; 3525; 4138; 4902
AsuHPI	GGTGANNNNNNNN!	5	376; 627; 996; 4432; 4548
AsuHPI	!NNNNNNNTCACC	3	885; 2478; 3539
AsuNHI	G!CTAGC	1	591
AvaI	C!YCGRG	1	1328
AvaII	G!GWCC	6	1422; 1565; 1603; 1761; 3877; 4322

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AviII	TGC!GCA	1	3463
AvrII	C!CTAGG	2	3183; 4198
AxyI	CC!TNAGG	3	869; 2841; 4473
BaeI	ACNNNGTAYCNNNNNNNNNN!	0	
BaeI	!NNNNNNNGRTACNNNNGT	0	
BaeI	GRTACNNNNGTNNNNNNNNNNNN!	0	
BaeI	!NNNNNNNNNACNNNGTAYC	0	
BaeGI	GKGC!C	10	667; 694; 727; 1304; 1404; 1497; 1534; 3307; 3400; 4969
BalI	TGG!CCA	2	1270; 3443
BamHI	G!GATCC	1	1996
BanI	G!GYRCC	8	465; 664; 724; 1399; 1494; 2514; 3360; 3395
BanII	GRGCY!C	5	1335; 1534; 2552; 3726; 4436
BanIII	AT!CGAT	1	3201
BarI	GAAGNNNNNTACNNNNNNNNNN!	1	1161
BarI	!NNNNNNNGTANNNNNNCTTC	0	
BarI	GTANNNNNNCTTCNNNNNNNNNN!	0	
BarI	!NNNNNNNGAAGNNNNNTAC	1	1129
BasI	CCANNNN!NTGG	0	
BauI	C!ACGAG	4	1255; 1536; 4079; 5106
BauI	C!TCGTG	2	1105; 3953
BbeI	GGCG!C	1	3364
Bbr7I	GAAGACNNNNNN!	3	916; 1149; 1217
Bbr7I	!NNNNNNNNNNNGTCTTC	0	
BbrPI	CAC!GTG	0	
BbsI	GAAGACNN!	3	911; 1144; 1212
BbsI	!NNNNNGTCTTC	0	
BbuI	GCATG!C	3	2931; 3003; 3766
BbvI	GCAGCNNNNNN!	11	821; 1263; 1517; 1633; 1931; 2149; 3434; 3476; 3997; 4450; 4950
BbvI	!NNNNNNNNNNNGCTGC	8	940; 1685; 2643; 3308; 3492; 3585; 4651; 4857
Bbv12I	GWGCW!C	6	694; 1335; 1961; 3474; 3664; 4969
BbvCI	CC!TCAGC	0	
BbvCI	GC!TGAGG	0	
BccI	CCATCNNNN!	5	1002; 2491; 3055; 3581; 4083
BccI	!NNNNNGATGG	4	1606; 2459; 3239; 3667
BceAI	ACGGCNNNNNNNNNN!	7	822; 966; 1017; 1083; 1711; 3787; 4274
BceAI	!NNNNNNNNNNNNNGCCGT	3	2502; 3320; 4779
BcefI	ACGGCNNNNNNNNNN!	7	822; 966; 1017; 1083; 1711; 3787; 4274
BcefI	!NNNNNNNNNNNNNGCCGT	3	2503; 3321; 4780
BcgI	CGANNNNNNTGCNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNNGCANNNNNNNTCG	0	
BcgI	GCANNNNNNTGCNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNNCGANNNNNNNTGC	0	
BciVI	GTATCCNNNNN!	3	2790; 3580; 5081
BciVI	!NNNNNGGATAC	0	
BclI	T!GATCA	1	2018
BcnI	CC!SGG	9	1184; 1405; 1426; 1529; 1822; 3365; 3525; 4138; 4902
BcuI	A!CTAGT	0	
BdaI	TGANNNNNNTCANNNNNNNNNN!	2	2041; 5214
BdaI	!NNNNNNNNNNNTGANNNNNNTCA	2	2007; 5180
BfaI	C!TAG	10	592; 1289; 1992; 2009; 2210; 2628; 3184; 4199; 4533; 4786
BfiI	ACTGGGNNNNN!	2	1306; 3310
BfiI	!NNNNCCAGT	2	289; 3062
BfmI	C!TRYAG	4	1349; 2696; 4823; 5014
BfoI	RGCG!Y	6	598; 1785; 2628; 2636; 3364; 5039
BfrI	C!TTAAG	0	
BfuI	GTATCCNNNNN!	3	2790; 3580; 5081
BfuI	!NNNNNGGATAC	0	
BfuAI	ACCTGCNNNN!	3	1506; 3629; 4079
BfuAI	!NNNNNNNNNGCAGGT	1	3248
BfuCI	!GATC	25	585; 974; 1124; 1150; 1324; 1811; 1996; 2005; 2018; 3198; 3202; 3221; 3532; 3610; 3691; 3700; 3778; 4154; 4170; 4529; 4541; 4619; 4627; 4638; 4713
BglI	GCCNNNN!NGGC	8	90; 212; 283; 1079; 1093; 1408; 1441; 3136
BglII	A!GATCT	1	1324

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BisI	GC!NGC	42	759; 810; 954; 1071; 1252; 1412; 1430; 1433; 1506; 1514; 1622; 1699; 1715; 1920; 2138; 2657; 2679; 2693; 3131; 3270; 3322; 3333; 3423; 3428; 3465; 3506; 3593; 3596; 3599; 3835; 3931; 3972; 3986; 4100; 4439; 4454; 4665; 4871; 4874; 4939; 5082; 5237
BlnI	C!CTAGG	2	3183; 4198
BlpI	GC!TNAGC	0	
BlsI	GCN!GC	42	760; 811; 955; 1072; 1253; 1413; 1431; 1434; 1507; 1515; 1623; 1700; 1716; 1921; 2139; 2658; 2680; 2694; 3132; 3271; 3323; 3334; 3424; 3429; 3466; 3507; 3594; 3597; 3600; 3836; 3932; 3973; 3987; 4101; 4440; 4455; 4666; 4872; 4875; 4940; 5083; 5238
BmcAI	AGT!ACT	0	
Bme18I	G!GWCC	6	1422; 1565; 1603; 1761; 3877; 4322
Bme1390I	CC!NGG	30	90; 283; 787; 835; 931; 946; 1075; 1184; 1405; 1426; 1441; 1529; 1633; 1651; 1765; 1822; 1868; 2897; 2952; 2969; 3365; 3525; 3748; 4138; 4327; 4430; 4902; 5120; 5133; 5254
BmeRI	GACNNN!NNGTC	0	
BmeT110I	C!YCGRG	1	1328
BmgBI	CAC!GTC	0	
BmgBI	GAC!GTG	0	
BmgT120I	GG!NCC	20	84; 277; 761; 1004; 1096; 1117; 1423; 1444; 1516; 1532; 1566; 1604; 1762; 1891; 2469; 3878; 4323; 4369; 4427; 4460
BmiI	GGN!NCC	26	467; 666; 726; 1117; 1401; 1424; 1496; 1517; 1533; 1566; 1655; 1777; 1998; 2516; 2537; 2549; 2740; 2901; 2973; 3362; 3397; 4245; 4324; 4369; 5212; 5251
BmrI	ACTGGGNNNNN!	2	1306; 3310
BmrI	!NNNNCCCAGT	2	289; 3062
BmrFI	CC!NGG	30	90; 283; 787; 835; 931; 946; 1075; 1184; 1405; 1426; 1441; 1529; 1633; 1651; 1765; 1822; 1868; 2897; 2952; 2969; 3365; 3525; 3748; 4138; 4327; 4430; 4902; 5120; 5133; 5254
BmsI	GCATCNNNNN!	10	848; 1673; 1726; 1834; 2177; 2940; 3012; 3660; 3724; 3999
BmsI	!NNNNNNNNNGATGC	8	357; 1001; 1169; 1701; 3319; 3574; 3790; 5182
BmtI	GCTAG!C	1	595
BmuI	ACTGGGNNNNN!	2	1306; 3310
BmuI	!NNNNCCCAGT	2	289; 3062
BoxI	GACNN!NNGTC	2	1243; 1570
BpiI	GAAGACNN!	3	911; 1144; 1212
BpiI	!NNNNNNGTCTTC	0	
BpI	GAGNNNNNCTCNNNNNNNNNNNN!	2	3150; 4049
BpI	!NNNNNNNNNGAGNNNNNCTC	2	3118; 4017
BpmI	CTGGAGNNNNNNNNNNNNNNNN!	2	1786; 4201
BpmI	!NNNNNNNNNNNNNNNCTCCAG	2	928; 4144
Bpu10I	CC!TNAGC	0	
Bpu10I	GC!TNAGG	0	
Bpu14I	TT!CGAA	2	1342; 4043
Bpu1102I	GC!TNAGC	0	
BpuAI	GAAGACNN!	3	911; 1144; 1212
BpuAI	!NNNNNNGTCTTC	0	
BpuEI	CTTGAGNNNNNNNNNNNNNNNN!	2	4655; 5194
BpuEI	!NNNNNNNNNNNNNNNCTCAAG	4	1159; 1319; 3737; 4896
BpuMI	CC!SGG	9	1184; 1405; 1426; 1529; 1822; 3365; 3525; 4138; 4902
BpvUI	CGAT!CG	0	
BsaI	GGTCTCN!	0	
BsaI	!NNNNNGAGACC	4	1042; 1231; 1855; 4350
Bsa29I	AT!CGAT	1	3201
BsaAI	YAC!GTR	3	340; 2477; 3665
BsaBI	GATNN!NNATC	2	2023; 3220
BsaHI	GR!CGYC	9	122; 175; 258; 444; 1187; 1978; 3361; 4063; 4142
BsaJI	C!CNNGG	26	360; 611; 698; 833; 834; 929; 1403; 1631; 1649; 1829; 1853; 1866; 2895; 2967; 3090; 3125; 3134; 3183; 3524; 3793; 4198; 4325; 4326; 4428; 4429; 5119
BsaMI	GAATGCN!	1	2112
BsaMI	G!CATTC	1	2205
BsaWI	W!CCGGW	7	600; 1315; 2002; 3392; 4236; 4926; 5073
BsaXI	ACNNNNNCTCCNNNNNNNNNN!	1	2441
BsaXI	!NNNNNNNGGAGNNNNNNGT	0	

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BsaXI	GGAGNNNNNGTNNNNNNNNNNNN!	0	
BsaXI	!NNNNNNNNNACNNNNNCTCC	1	2411
BsbI	CAACACNNNNNNNNNNNNNNNNNNNN!	0	
BsbI	!NNNNNNNNNNNNNNNNNNNGTGTG	2	2362; 4269
Bsc4I	CCNNNNN!NNGG	24	49; 721; 834; 1000; 1066; 1410; 1540; 1612; 1953; 2373; 2699; 3091; 3342; 3886; 4167; 4199; 4331; 4366; 4416; 4448; 4801; 5080; 5246; 5264
BscAI	GCATCNNNN!	10	847; 1672; 1725; 1833; 2176; 2939; 3011; 3659; 3723; 3998
BscAI	!NNNNNNGATGC	8	360; 1004; 1172; 1704; 3322; 3577; 3793; 5185
BseI	ACTGGN!	5	1214; 1301; 3305; 3506; 4752
BseI	C!CAGT	5	295; 2390; 3068; 4864; 4877
Bse8I	GATNN!NNATC	2	2023; 3220
Bse21I	CC!TNAGG	3	869; 2841; 4473
Bse118I	R!CCGGY	6	600; 1501; 2578; 3680; 3861; 4144
BseAI	T!CCGGA	1	1315
BseBI	CC!WGG	21	90; 283; 787; 835; 931; 946; 1075; 1441; 1633; 1651; 1765; 1868; 2897; 2952; 2969; 3748; 4327; 4430; 5120; 5133; 5254
BseCI	AT!CGAT	1	3201
BseDI	C!CNNGG	26	360; 611; 698; 833; 834; 929; 1403; 1631; 1649; 1829; 1853; 1866; 2895; 2967; 3090; 3125; 3134; 3183; 3524; 3793; 4198; 4325; 4326; 4428; 4429; 5119
Bse3DI	GCAATGNN!	1	3594
Bse3DI	!CATTGC	1	1625
BseGI	GGATGNN!	5	1716; 3221; 3678; 3703; 4157
BseGI	!CATCC	7	694; 782; 839; 994; 1664; 1825; 3047
BseJI	GATNN!NNATC	2	2023; 3220
BseLI	CCNNNNN!NNGG	24	49; 721; 834; 1000; 1066; 1410; 1540; 1612; 1953; 2373; 2699; 3091; 3342; 3886; 4167; 4199; 4331; 4366; 4416; 4448; 4801; 5080; 5246; 5264
BseMI	GCAATGNN!	1	3594
BseMI	!CATTGC	1	1625
BseMII	CTCAGNNNNNNNNNN!	2	1335; 4487
BseMII	!NNNNNNNNCTGAG	8	860; 1544; 1649; 2832; 3134; 4015; 4587; 4996
BseNI	ACTGGN!	5	1214; 1301; 3305; 3506; 4752
BseNI	C!CAGT	5	295; 2390; 3068; 4864; 4877
BsePI	G!CGCGC	0	
BseRI	GAGGAGNNNNNNNNNN!	6	1432; 1696; 1783; 1846; 1873; 3179
BseRI	!NNNNNNNNNCTCCTC	0	
BseSI	GKGCMI!C	10	667; 694; 727; 1304; 1404; 1497; 1534; 3307; 3400; 4969
BseXI	GCAGCNNNNNNNN!	11	821; 1263; 1517; 1633; 1931; 2149; 3434; 3476; 3997; 4450; 4950
BseXI	!NNNNNNNNNNNGCTGC	8	940; 1685; 2643; 3308; 3492; 3585; 4651; 4857
BseX3I	C!GGCCG	2	1430; 3267
BseYI	C!CCAGC	5	1445; 1892; 2904; 2976; 4975
BseYI	G!CTGGG	2	1031; 3865
BsgI	GTGCAGNNNNNNNNNNNNNNNN!	0	
BsgI	!NNNNNNNNNNNNNCTGCAC	0	
Bsh1236I	CG!CG	15	60; 2249; 2285; 2661; 2681; 2705; 2736; 3427; 3728; 4166; 4250; 4313; 4382; 4655; 5236
Bsh1285I	CGRY!CG	4	752; 1433; 3270; 4945
BshFI	GG!CC	34	84; 277; 761; 1004; 1039; 1073; 1096; 1118; 1228; 1270; 1432; 1444; 1516; 1532; 1597; 1753; 1891; 2327; 2469; 3124; 3130; 3139; 3182; 3269; 3443; 3834; 3861; 4370; 4427; 4460; 4805; 5239; 5257; 5268
BshNI	G!GYRCC	8	465; 664; 724; 1399; 1494; 2514; 3360; 3395
BshTI	A!CCGGT	1	600
BshVI	AT!CGAT	1	3201
BsiEI	CGRY!CG	4	752; 1433; 3270; 4945
BsiHKAI	GWGCW!C	6	694; 1335; 1961; 3474; 3664; 4969
BsiHKCI	C!YCGRG	1	1328
BsiSI	C!CGG	25	601; 1184; 1316; 1405; 1426; 1502; 1528; 1821; 2003; 2579; 3266; 3343; 3365; 3393; 3524; 3614; 3681; 3862; 4137; 4145; 4237; 4711; 4901; 4927; 5074
BsiWI	C!GTACG	0	
BsII	CCNNNNN!NNGG	24	49; 721; 834; 1000; 1066; 1410; 1540; 1612; 1953; 2373; 2699; 3091; 3342; 3886; 4167; 4199; 4331; 4366; 4416; 4448; 4801; 5080; 5246; 5264

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BsIF1	GGGACNNNNNNNNNN!	7	175; 326; 494; 1578; 3512; 4044; 4153
BsIF1	!NNNNNNNNNNNNNGTCCC	7	1926; 1950; 1971; 2877; 2949; 3013; 4308
BsmI	GAATGCN!	1	2112
BsmI	G!CATTC	1	2205
BsmAI	GTCTCN!	1	434
BsmAI	!NNNNNGAGAC	7	1042; 1231; 1855; 2785; 3203; 4222; 4350
BsmBI	CGTCTCN!	0	
BsmBI	!NNNNNGAGACG	0	
BsmFI	GGGACNNNNNNNNNN!	7	175; 326; 494; 1578; 3512; 4044; 4153
BsmFI	!NNNNNNNNNNNNNGTCCC	7	1926; 1950; 1971; 2877; 2949; 3013; 4308
BsnI	GG!CC	34	84; 277; 761; 1004; 1039; 1073; 1096; 1118; 1228; 1270; 1432; 1444; 1516; 1532; 1597; 1753; 1891; 2327; 2469; 3124; 3130; 3139; 3182; 3269; 3443; 3834; 3861; 4370; 4427; 4460; 4805; 5239; 5257; 5268
Bso31I	GGTCTCN!	0	
Bso31I	!NNNNNGAGACC	4	1042; 1231; 1855; 4350
BsoBI	C!YCGRG	1	1328
Bsp13I	T!CCGGA	1	1315
Bsp19I	C!CATGG	4	360; 611; 3090; 3793
Bsp24I	GACNNNNNTGGNNNNNNNNNN!	2	289; 4164
Bsp24I	!NNNNNNCCANNNNNGTC	2	4585; 4763
Bsp24I	CCANNNNNGTCNNNNNNNNNN!	2	4617; 4795
Bsp24I	!NNNNNNNGACNNNNNTGG	2	257; 4132
Bsp68I	TCG!CGA	0	
Bsp119I	TT!CGAA	2	1342; 4043
Bsp120I	G!GGCCC	1	1530
Bsp143I	!GATC	25	585; 974; 1124; 1150; 1324; 1811; 1996; 2005; 2018; 3198; 3202; 3221; 3532; 3610; 3691; 3700; 3778; 4154; 4170; 4529; 4541; 4619; 4627; 4638; 4713
Bsp1286I	GDGCH!C	17	667; 694; 727; 1304; 1335; 1404; 1497; 1534; 1961; 2552; 3307; 3400; 3474; 3664; 3726; 4436; 4969
Bsp1407I	T!GTACA	1	653
Bsp1720I	GC!TNAGC	0	
BspACI	C!CGC	39	58; 86; 98; 112; 279; 507; 589; 923; 1061; 1163; 1433; 1520; 1668; 1944; 1989; 2676; 2679; 2693; 2783; 3031; 3043; 3052; 3064; 3074; 3085; 3131; 3270; 3333; 3835; 3880; 3946; 3972; 4097; 4100; 4248; 4380; 4687; 4831; 5327
BspACI	G!CGG	32	370; 403; 528; 748; 758; 1070; 1112; 1411; 1414; 1429; 1513; 1743; 2621; 2648; 2736; 2846; 3427; 3491; 3592; 3595; 3875; 3930; 4028; 4166; 4313; 4453; 4696; 4941; 5062; 5081; 5208; 5236
BspCNI	CTCAGNNNNNNNN!	2	1334; 4486
BspCNI	!NNNNNNNCTGAG	8	861; 1545; 1650; 2833; 3135; 4016; 4588; 4997
BspDI	AT!CGAT	1	3201
BspD6I	GACTCNNNN!	5	418; 1327; 2434; 4040; 4917
BspD6I	!NNNNNGAGTC	3	883; 2397; 2829
BspEI	T!CCGGA	1	1315
BspFNI	CG!CG	15	60; 2249; 2285; 2661; 2681; 2705; 2736; 3427; 3728; 4166; 4250; 4313; 4382; 4655; 5236
BspHI	T!CATGA	2	2787; 4559
BspLI	GGN!NCC	26	467; 666; 726; 1117; 1401; 1424; 1496; 1517; 1533; 1566; 1655; 1777; 1998; 2516; 2537; 2549; 2740; 2901; 2973; 3362; 3397; 4245; 4324; 4369; 5212; 5251
BspMI	ACCTGCNNNN!	3	1506; 3629; 4079
BspMI	!NNNNNNNGCAGGT	1	3248
BspOI	GCTAG!C	1	595
BspPI	GGATCNNNN!	9	2004; 2013; 3229; 3540; 3786; 4178; 4537; 4635; 4721
BspPI	!NNNNNGATCC	7	580; 1145; 1991; 3605; 4149; 4536; 4633
BspQI	GCTCTCN!	0	
BspQI	!NNNNGAAGAGC	2	3705; 3915
BspTI	C!TTAAG	0	
BspT104I	TT!CGAA	2	1342; 4043
BspT107I	G!GYRCC	8	465; 664; 724; 1399; 1494; 2514; 3360; 3395
BspTNI	GGTCTCN!	0	
BspTNI	!NNNNNGAGACC	4	1042; 1231; 1855; 4350
BsrI	ACTGNN!	5	1214; 1301; 3305; 3506; 4752
BsrI	C!CAGT	5	295; 2390; 3068; 4864; 4877

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BsrBI	CCG!CTC	2	2785; 3974
BsrBI	GAG!CGG	2	2621; 4028
BsrDI	GCAATGNN!	1	3594
BsrDI	!CATTGC	1	1625
BsrFI	R!CCGGY	6	600; 1501; 2578; 3680; 3861; 4144
BsrGI	T!GTACA	1	653
BsrSI	ACTGGN!	5	1214; 1301; 3305; 3506; 4752
BsrSI	C!CAGT	5	295; 2390; 3068; 4864; 4877
BssAI	R!CCGGY	6	600; 1501; 2578; 3680; 3861; 4144
BssECI	C!CNNGG	26	360; 611; 698; 833; 834; 929; 1403; 1631; 1649; 1829; 1853; 1866; 2895; 2967; 3090; 3125; 3134; 3183; 3524; 3793; 4198; 4325; 4326; 4428; 4429; 5119
BssHII	G!CGCGC	0	
BssKI	!CCNGG	30	88; 281; 785; 833; 929; 944; 1073; 1182; 1403; 1424; 1439; 1527; 1631; 1649; 1763; 1820; 1866; 2895; 2950; 2967; 3363; 3523; 3746; 4136; 4325; 4428; 4900; 5118; 5131; 5252
BssMI	!GATC	25	585; 974; 1124; 1150; 1324; 1811; 1996; 2005; 2018; 3198; 3202; 3221; 3532; 3610; 3691; 3700; 3778; 4154; 4170; 4529; 4541; 4619; 4627; 4638; 4713
BssNI	GR!CGYC	9	122; 175; 258; 444; 1187; 1978; 3361; 4063; 4142
BssNAI	GTA!TAC	0	
BssSI	C!ACGAG	4	1255; 1536; 4079; 5106
BssSI	C!TCGTG	2	1105; 3953
BssTII	C!CWWGG	7	360; 611; 1853; 3090; 3183; 3793; 4198
Bst6I	CTCTTCN!	0	
Bst6I	!NNNNGAAGAG	3	2828; 3705; 3915
Bst98I	C!TTAAG	0	
Bst1107I	GTA!TAC	0	
BstACI	GR!CGYC	9	122; 175; 258; 444; 1187; 1978; 3361; 4063; 4142
BstAFI	C!TTAAG	0	
BstAPI	GCANNNN!NTGC	5	1627; 1928; 2928; 3000; 4462
BstAUI	T!GTACA	1	653
BstBI	TT!CGAA	2	1342; 4043
Bst2BI	C!ACGAG	4	1255; 1536; 4079; 5106
Bst2BI	C!TCGTG	2	1105; 3953
BstBAI	YAC!GTR	3	340; 2477; 3665
Bst4CI	ACN!GT	17	76; 198; 269; 543; 581; 669; 1572; 1603; 1985; 2452; 3741; 3857; 3965; 4288; 4779; 5249; 5320
BstC8I	GCN!NGC	35	86; 279; 593; 622; 712; 916; 1467; 1503; 1924; 1948; 2580; 2623; 2637; 2910; 2929; 2982; 3001; 3255; 3441; 3660; 3726; 3732; 3760; 3764; 3805; 3809; 3863; 4146; 4333; 4380; 4436; 4458; 4669; 5229; 5266
BstDEI	C!TNAG	12	869; 1166; 1321; 1553; 1658; 1721; 2841; 3143; 4024; 4473; 4596; 5005
BstDSI	C!CRYGG	4	360; 611; 3090; 3793
BstEII	G!GTNACC	0	
BstENI	CCTNN!NNNAGG	0	
BstF5I	GGATGNN!	5	1716; 3221; 3678; 3703; 4157
BstF5I	!CATCC	7	694; 782; 839; 994; 1664; 1825; 3047
BstFNI	CG!CG	15	60; 2249; 2285; 2661; 2681; 2705; 2736; 3427; 3728; 4166; 4250; 4313; 4382; 4655; 5236
BstH2I	RGCGC!Y	6	598; 1785; 2628; 2636; 3364; 5039
BstHHI	GCG!C	23	597; 1784; 1952; 2627; 2635; 2661; 2683; 2692; 2705; 2736; 3355; 3363; 3427; 3464; 3730; 3990; 4166; 4252; 4655; 4764; 4938; 5038; 5105
BstKTI	GAT!C	25	588; 977; 1127; 1153; 1327; 1814; 1999; 2008; 2021; 3201; 3205; 3224; 3535; 3613; 3694; 3703; 3781; 4157; 4173; 4532; 4544; 4622; 4630; 4641; 4716
BstMAI	GTCTCN!	1	434
BstMAI	!NNNNGAGAC	7	1042; 1231; 1855; 2785; 3203; 4222; 4350
BstMBI	!GATC	25	585; 974; 1124; 1150; 1324; 1811; 1996; 2005; 2018; 3198; 3202; 3221; 3532; 3610; 3691; 3700; 3778; 4154; 4170; 4529; 4541; 4619; 4627; 4638; 4713
BstMCI	CGRY!CG	4	752; 1433; 3270; 4945

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BstMWI	GCNNNNN!NNGC	36	90; 212; 244; 283; 376; 400; 648; 1079; 1093; 1408; 1441; 1519; 1627; 1683; 1704; 1928; 1956; 2588; 2618; 2645; 2687; 2928; 3000; 3051; 3130; 3352; 3436; 3459; 3598; 3721; 3804; 4071; 4258; 4462; 4661; 5233
BstNI	CC!WGG	21	90; 283; 787; 835; 931; 946; 1075; 1441; 1633; 1651; 1765; 1868; 2897; 2952; 2969; 3748; 4327; 4430; 5120; 5133; 5254
BstNSI	RCATG!Y	5	642; 2931; 3003; 3766; 5283
BstOI	CC!WGG	21	90; 283; 787; 835; 931; 946; 1075; 1441; 1633; 1651; 1765; 1868; 2897; 2952; 2969; 3748; 4327; 4430; 5120; 5133; 5254
BstPI	G!GTNACC	0	
BstPAI	GACNN!NNGTC	2	1243; 1570
BstSCI	!CCNGG	30	88; 281; 785; 833; 929; 944; 1073; 1182; 1403; 1424; 1439; 1527; 1631; 1649; 1763; 1820; 1866; 2895; 2950; 2967; 3363; 3523; 3746; 4136; 4325; 4428; 4900; 5118; 5131; 5252
BstSFI	C!TRYAG	4	1349; 2696; 4823; 5014
BstSLI	GKGCM!C	10	667; 694; 727; 1304; 1404; 1497; 1534; 3307; 3400; 4969
BstSNI	TAC!GTA	1	340
BstUI	CG!CG	15	60; 2249; 2285; 2661; 2681; 2705; 2736; 3427; 3728; 4166; 4250; 4313; 4382; 4655; 5236
Bst2UI	CC!WGG	21	90; 283; 787; 835; 931; 946; 1075; 1441; 1633; 1651; 1765; 1868; 2897; 2952; 2969; 3748; 4327; 4430; 5120; 5133; 5254
BstVII	GCAGCNNNNNNN!	11	821; 1263; 1517; 1633; 1931; 2149; 3434; 3476; 3997; 4450; 4950
BstV1I	!NNNNNNNNNNNGCTGC	8	940; 1685; 2643; 3308; 3492; 3585; 4651; 4857
BstV2I	GAAGACNN!	3	911; 1144; 1212
BstV2I	!NNNNNNGTCTTC	0	
BstXI	CCANNNNN!NTGG	0	
BstX2I	R!GATCY	12	585; 1150; 1324; 1996; 2005; 3532; 3778; 4170; 4529; 4541; 4627; 4638
BstYI	R!GATCY	12	585; 1150; 1324; 1996; 2005; 3532; 3778; 4170; 4529; 4541; 4627; 4638
BstZI	C!GGCCG	2	1430; 3267
BstZ17I	GTA!TAC	0	
BsuI	GTATCCNNNNNN!	3	2790; 3580; 5081
BsuI	!NNNNNNGGATAC	0	
Bsu15I	AT!CGAT	1	3201
Bsu36I	CC!TNAGG	3	869; 2841; 4473
BsuRI	GG!CC	34	84; 277; 761; 1004; 1039; 1073; 1096; 1118; 1228; 1270; 1432; 1444; 1516; 1532; 1597; 1753; 1891; 2327; 2469; 3124; 3130; 3139; 3182; 3269; 3443; 3834; 3861; 4370; 4427; 4460; 4805; 5239; 5257; 5268
BsuTUI	AT!CGAT	1	3201
BtgI	C!CRYGG	4	360; 611; 3090; 3793
BtgZI	GCGATGNNNNNNNNNN!	2	2478; 3813
BtgZI	!NNNNNNNNNNNNNNCATCGC	3	334; 3632; 3976
BthCI	GCNG!C	42	761; 812; 956; 1073; 1254; 1414; 1432; 1435; 1508; 1516; 1624; 1701; 1717; 1922; 2140; 2659; 2681; 2695; 3133; 3272; 3324; 3335; 3425; 3430; 3467; 3508; 3595; 3598; 3601; 3837; 3933; 3974; 3988; 4102; 4441; 4456; 4667; 4873; 4876; 4941; 5084; 5239
BtrI	CAC!GTC	0	
BtrI	GAC!GTG	0	
BtsI	GCAGTGNN!	1	1933
BtsI	!CACTGC	1	2200
BtsCI	GGATGNN!	5	1716; 3221; 3678; 3703; 4157
BtsCI	!CATCC	7	694; 782; 839; 994; 1664; 1825; 3047
BtuMI	TCG!CGA	0	
BveI	ACCTGCNNNN!	3	1506; 3629; 4079
BveI	!NNNNNNNNGCAGGT	1	3248
Cac8I	GCN!NGC	35	86; 279; 593; 622; 712; 916; 1467; 1503; 1924; 1948; 2580; 2623; 2637; 2910; 2929; 2982; 3001; 3255; 3441; 3660; 3726; 3732; 3760; 3764; 3805; 3809; 3863; 4146; 4333; 4380; 4436; 4458; 4669; 5229; 5266
CaiI	CAGNNN!CTG	3	1277; 4462; 4870
CciI	T!CATGA	2	2787; 4559
CciNI	GC!GGCCGC	1	1430
CdiI	CATC!G	5	352; 3650; 3655; 3853; 3994

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
CdiI	C!GATG	2	2464; 3799
CdpI	GCGGAGNNNNNNNNNNNNNNNNNNNN!	2	1439; 5233
CdpI	!NNNNNNNNNNNNNNNNNNNCTCCGC	3	486; 3022; 3064
CelII	GC!TNAGC	0	
CfoI	GCG!C	23	597; 1784; 1952; 2627; 2635; 2661; 2683; 2692; 2705; 2736; 3355; 3363; 3427; 3464; 3730; 3990; 4166; 4252; 4655; 4764; 4938; 5038; 5105
CfrI	Y!GGCCR	6	1268; 1430; 3267; 3441; 3832; 3859
Cfr9I	C!CCGGG	0	
Cfr10I	R!CCGGY	6	600; 1501; 2578; 3680; 3861; 4144
Cfr13I	G!GNCC	20	83; 276; 760; 1003; 1095; 1116; 1422; 1443; 1515; 1531; 1565; 1603; 1761; 1890; 2468; 3877; 4322; 4368; 4426; 4459
Cfr42I	CCGC!GG	0	
ChaI	GATC!	25	589; 978; 1128; 1154; 1328; 1815; 2000; 2009; 2022; 3202; 3206; 3225; 3536; 3614; 3695; 3704; 3782; 4158; 4174; 4533; 4545; 4623; 4631; 4642; 4717
CjeI	CCANNNNNNGTNNNNNNNNNNNNNN!	5	706; 3178; 4618; 4718; 4796
CjeI	!NNNNNNNNNACNNNNNTGG	8	64; 257; 1560; 2845; 2940; 4132; 4682; 5237
CjeI	ACNNNNNTGGNNNNNNNNNNNNNN!	8	98; 291; 1594; 2879; 2974; 4166; 4716; 5271
CjeI	!NNNNNNNNCCANNNNNNGT	5	672; 3144; 4584; 4684; 4762
CjePI	CCANNNNNNTCNNNNNNNNNNNNNN!	2	4618; 4796
CjePI	!NNNNNNNNGANNNNNNTGG	6	257; 1076; 1530; 1723; 4132; 4731
CjePI	GANNNNNNNTGGNNNNNNNNNNNN!	6	290; 1109; 1563; 1756; 4165; 4764
CjePI	!NNNNNNNCCANNNNNNTC	2	4585; 4763
ClaI	AT!CGAT	1	3201
CpoI	CG!GWCCG	1	3877
CseI	GACGCNNNNN!	4	526; 1986; 4071; 4150
CseI	!NNNNNNNNNGCGTC	4	1176; 2694; 4589; 5167
CsiI	A!CCWGGT	1	2950
CspI	CG!GWCCG	1	3877
Csp6I	G!TAC	10	218; 243; 298; 331; 382; 539; 654; 804; 1056; 3666
Csp45I	TT!CGAA	2	1342; 4043
CspAI	A!CCGGT	1	600
CspCI	CAANNNNGTGNNNNNNNNNNNN!	1	411
CspCI	!NNNNNNNNNCCACNNNNNTTG	0	
CspCI	CCACNNNNNTTGNNNNNNNNNNN!	0	
CspCI	!NNNNNNNNNNCAANNNNGTGG	1	376
CstMI	AAGGAGNNNNNNNNNNNNNNNNNN!	5	656; 1247; 1880; 2641; 4250
CstMI	!NNNNNNNNNNNNNNNNNCTCCTT	0	
CviAII	C!ATG	27	301; 361; 612; 639; 645; 657; 735; 801; 881; 1092; 1359; 1510; 1560; 1962; 2788; 2928; 3000; 3091; 3232; 3577; 3763; 3794; 3820; 4176; 4560; 5280; 5331
CviJI	RG!CY	116	42; 84; 93; 277; 566; 607; 624; 651; 714; 761; 790; 797; 875; 941; 953; 1004; 1031; 1039; 1073; 1087; 1096; 1104; 1118; 1228; 1264; 1270; 1333; 1339; 1363; 1376; 1432; 1444; 1487; 1508; 1516; 1527; 1532; 1546; 1597; 1616; 1624; 1636; 1644; 1656; 1698; 1707; 1753; 1837; 1891; 1896; 2030; 2140; 2307; 2327; 2469; 2550; 2564; 2578; 2859; 2900; 2972; 3095; 3124; 3130; 3139; 3147; 3170; 3182; 3188; 3269; 3286; 3294; 3321; 3346; 3430; 3439; 3443; 3467; 3505; 3581; 3598; 3617; 3680; 3724; 3734; 3751; 3834; 3861; 3865; 3902; 3925; 3941; 4121; 4148; 4209; 4331; 4370; 4427; 4434; 4441; 4460; 4471; 4722; 4751; 4794; 4805; 4870; 4949; 4974; 4979; 5025; 5115; 5213; 5239; 5257; 5268
CviKI-1	RG!CY	116	42; 84; 93; 277; 566; 607; 624; 651; 714; 761; 790; 797; 875; 941; 953; 1004; 1031; 1039; 1073; 1087; 1096; 1104; 1118; 1228; 1264; 1270; 1333; 1339; 1363; 1376; 1432; 1444; 1487; 1508; 1516; 1527; 1532; 1546; 1597; 1616; 1624; 1636; 1644; 1656; 1698; 1707; 1753; 1837; 1891; 1896; 2030; 2140; 2307; 2327; 2469; 2550; 2564; 2578; 2859; 2900; 2972; 3095; 3124; 3130; 3139; 3147; 3170; 3182; 3188; 3269; 3286; 3294; 3321; 3346; 3430; 3439; 3443; 3467; 3505; 3581; 3598; 3617; 3680; 3724; 3734; 3751; 3834; 3861; 3865; 3902; 3925; 3941; 4121; 4148; 4209; 4331; 4370; 4427; 4434; 4441; 4460; 4471; 4722; 4751; 4794; 4805; 4870; 4949; 4974; 4979; 5025; 5115; 5213; 5239; 5257; 5268
CviQI	G!TAC	10	218; 243; 298; 331; 382; 539; 654; 804; 1056; 3666

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
DdeI	C!TNAG	12	869; 1166; 1321; 1553; 1658; 1721; 2841; 3143; 4024; 4473; 4596; 5005
DinI	GGC!GCC	1	3362
DpnI	GA!TC	25	587; 976; 1126; 1152; 1326; 1813; 1998; 2007; 2020; 3200; 3204; 3223; 3534; 3612; 3693; 3702; 3780; 4156; 4172; 4531; 4543; 4621; 4629; 4640; 4715
DpnII	!GATC	25	585; 974; 1124; 1150; 1324; 1811; 1996; 2005; 2018; 3198; 3202; 3221; 3532; 3610; 3691; 3700; 3778; 4154; 4170; 4529; 4541; 4619; 4627; 4638; 4713
DraI	TTT!AAA	3	2063; 4505; 4524
DraII	RG!GNCCY	4	1422; 1531; 1761; 4459
DraIII	CACNNN!GTG	3	1260; 1877; 2477
DraRI	CAAGNACNNNNNNNNNNNNNNNNNNNNNN!	2	266; 4841
DraRI	!NNNNNNNNNNNNNNNNNNNGTNCCTG	0	
DrdI	GACNNN!NNGTC	4	1983; 2432; 3388; 5177
DrdIV	TACGACNNNNNNNNNNNNNNNNNNNN!	0	
DrdIV	!NNNNNNNNNNNNNNNNNNNGTCGTA	1	476
DriI	GACNNN!NNGTC	0	
DseDI	GACNNN!NNGTC	4	1983; 2432; 3388; 5177
EaeI	Y!GGCCR	6	1268; 1430; 3267; 3441; 3832; 3859
EagI	C!GGCCG	2	1430; 3267
Eam1104I	CTCTTCN!	0	
Eam1104I	!NNNNGAAGAG	3	2828; 3705; 3915
Eam1105I	GACNNN!NNGTC	0	
EarI	CTCTTCN!	0	
EarI	!NNNNGAAGAG	3	2828; 3705; 3915
EciI	GGCGGANNNNNNNNNNNN!	5	1429; 2861; 3890; 5077; 5223
EciI	!NNNNNNNNNTCCGCC	4	496; 3032; 3053; 3074
Ecl136II	GAG!CTC	1	1333
EclXI	C!GGCCG	2	1430; 3267
Eco24I	GRGCY!C	5	1335; 1534; 2552; 3726; 4436
Eco31I	GGTCTCN!	0	
Eco31I	!NNNNGAGACC	4	1042; 1231; 1855; 4350
Eco32I	GAT!ATC	0	
Eco47I	G!GWCC	6	1422; 1565; 1603; 1761; 3877; 4322
Eco47III	AGC!GCT	1	596
Eco52I	C!GGCCG	2	1430; 3267
Eco57I	CTGAAGNNNNNNNNNNNNNNNN!	4	1120; 1990; 3507; 3939
Eco57I	!NNNNNNNNNNNNNNNNCTTCAG	1	4737
Eco72I	CAC!GTG	0	
Eco81I	CC!TNAGG	3	869; 2841; 4473
Eco88I	C!YCGRG	1	1328
Eco91I	G!GTNACC	0	
Eco105I	TAC!GTA	1	340
Eco130I	C!CWWGG	7	360; 611; 1853; 3090; 3183; 3793; 4198
Eco147I	AGG!CCT	2	1039; 3182
EcoHI	!CCSGG	9	1182; 1403; 1424; 1527; 1820; 3363; 3523; 4136; 4900
EcoICRI	GAG!CTC	1	1333
Eco57MI	CTGRAGNNNNNNNNNNNNNNNN!	6	1120; 1786; 1990; 3507; 3939; 4201
Eco57MI	!NNNNNNNNNNNNNNNNCTYCAG	3	928; 4144; 4737
EcoNI	CCTNN!NNNAGG	0	
Eco065I	G!GTNACC	0	
Eco0109I	RG!GNCCY	4	1422; 1531; 1761; 4459
EcoRI	G!AATTC	1	1344
EcoRII	!CCWGG	21	88; 281; 785; 833; 929; 944; 1073; 1439; 1631; 1649; 1763; 1866; 2895; 2950; 2967; 3746; 4325; 4428; 5118; 5131; 5252
EcoRV	GAT!ATC	0	
EcoT14I	C!CWWGG	7	360; 611; 1853; 3090; 3183; 3793; 4198
EcoT22I	ATGCA!T	3	2933; 3005; 5336
EcoT38I	GRGCY!C	5	1335; 1534; 2552; 3726; 4436
Eco53kI	GAG!CTC	1	1333
EgeI	GGC!GCC	1	3362
EheI	GGC!GCC	1	3362
ErhI	C!CWWGG	7	360; 611; 1853; 3090; 3183; 3793; 4198
EsaBC3I	TC!GA	17	753; 780; 1248; 1330; 1343; 1356; 2511; 3202; 3475; 3631; 3655; 3691; 3853; 4044; 4089; 4344; 5182

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Esp3I	CGTCTCN!	0	
Esp3I	!NNNNNGAGACG	0	
FaeI	CATG!	27	304; 364; 615; 642; 648; 660; 738; 804; 884; 1095; 1362; 1513; 1563; 1965; 2791; 2931; 3003; 3094; 3235; 3580; 3766; 3797; 3823; 4179; 4563; 5283; 5334
FaiI	YA!TR	68	39; 46; 50; 67; 138; 146; 234; 236; 291; 302; 310; 362; 555; 557; 613; 640; 646; 658; 736; 802; 882; 900; 1093; 1146; 1196; 1360; 1471; 1511; 1561; 1899; 1963; 2023; 2033; 2099; 2144; 2349; 2777; 2789; 2920; 2929; 2992; 3001; 3025; 3092; 3116; 3233; 3297; 3578; 3603; 3764; 3795; 3821; 3893; 4109; 4177; 4255; 4307; 4468; 4485; 4487; 4489; 4561; 4839; 5028; 5144; 5217; 5281; 5332
FalI	AAGNNNNCTTNNNNNNNNNN!	2	879; 3701
FalI	!NNNNNNNAAGNNNNCTT	2	847; 3669
FaqI	GGGACNNNNNNNN!	7	175; 326; 494; 1578; 3512; 4044; 4153
FaqI	!NNNNNNNNNNNGTCCC	7	1926; 1950; 1971; 2877; 2949; 3013; 4308
FatI	!CATG	27	300; 360; 611; 638; 644; 656; 734; 800; 880; 1091; 1358; 1509; 1559; 1961; 2787; 2927; 2999; 3090; 3231; 3576; 3762; 3793; 3819; 4175; 4559; 5279; 5330
FauI	CCCGCNNNN!	13	93; 119; 286; 1068; 1170; 1527; 1951; 1996; 2683; 3038; 3059; 4255; 4387
FauI	!NNNNNGCGGG	7	1105; 1736; 2614; 3484; 4021; 4159; 4306
FauNDI	CA!TATG	1	234
FbaI	T!GATCA	1	2018
FblI	GT!MKAC	2	1190; 1355
FmuI	GGNC!C	20	86; 279; 763; 1006; 1098; 1119; 1425; 1446; 1518; 1534; 1568; 1606; 1764; 1893; 2471; 3880; 4325; 4371; 4429; 4462
Fnu4HI	GC!NGC	42	759; 810; 954; 1071; 1252; 1412; 1430; 1433; 1506; 1514; 1622; 1699; 1715; 1920; 2138; 2657; 2679; 2693; 3131; 3270; 3322; 3333; 3423; 3428; 3465; 3506; 3593; 3596; 3599; 3835; 3931; 3972; 3986; 4100; 4439; 4454; 4665; 4871; 4874; 4939; 5082; 5237
FokI	GGATGNNNNNNNN!	5	1723; 3228; 3685; 3710; 4164
FokI	!NNNNNNNNNNNNCATCC	7	681; 769; 826; 981; 1651; 1812; 3034
FriOI	GRGCY!C	5	1335; 1534; 2552; 3726; 4436
FseI	GGCCGG!CC	0	
FspI	TGC!GCA	1	3463
FspAI	RTGC!GCAY	0	
FspBI	C!TAG	10	592; 1289; 1992; 2009; 2210; 2628; 3184; 4199; 4533; 4786
FspEI	CCNNNNNNNNNN!	176	56; 71; 98; 114; 128; 129; 156; 182; 220; 252; 291; 307; 333; 373; 450; 451; 482; 501; 520; 593; 614; 681; 711; 728; 742; 775; 789; 807; 831; 846; 876; 909; 936; 951; 970; 1006; 1053; 1072; 1087; 1101; 1132; 1155; 1175; 1196; 1242; 1284; 1300; 1329; 1416; 1438; 1453; 1511; 1530; 1546; 1581; 1611; 1638; 1662; 1681; 1767; 1792; 1834; 1866; 1880; 1905; 1924; 1956; 1980; 1994; 2013; 2044; 2083; 2097; 2238; 2333; 2357; 2380; 2403; 2421; 2443; 2464; 2483; 2502; 2531; 2552; 2566; 2592; 2680; 2706; 2755; 2796; 2814; 2853; 2869; 2907; 2964; 2979; 3036; 3056; 3070; 3087; 3101; 3138; 3153; 3196; 3279; 3346; 3377; 3397; 3412; 3457; 3471; 3537; 3551; 3570; 3586; 3627; 3647; 3694; 3744; 3760; 3780; 3805; 3825; 3848; 3875; 3893; 3919; 3959; 3985; 4009; 4065; 4079; 4107; 4150; 4171; 4206; 4250; 4338; 4362; 4384; 4404; 4420; 4441; 4455; 4474; 4558; 4578; 4606; 4621; 4655; 4697; 4724; 4739; 4784; 4808; 4822; 4844; 4870; 4890; 4914; 4940; 4988; 5007; 5026; 5052; 5087; 5132; 5162; 5176; 5227; 5241; 5266; 5282; 5303; 5332

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
FspEI	!NNNNNNNNNNNNNNNGG	150	8; 35; 59; 144; 166; 197; 252; 295; 347; 375; 400; 435; 463; 509; 529; 552; 586; 616; 643; 685; 706; 730; 772; 791; 820; 856; 893; 916; 935; 965; 986; 1013; 1052; 1078; 1097; 1169; 1195; 1243; 1282; 1301; 1345; 1375; 1393; 1411; 1435; 1468; 1487; 1513; 1532; 1562; 1586; 1618; 1636; 1659; 1680; 1708; 1728; 1750; 1806; 1831; 1853; 1873; 1939; 1978; 2032; 2132; 2201; 2309; 2358; 2380; 2408; 2444; 2489; 2518; 2554; 2573; 2601; 2621; 2684; 2707; 2815; 2847; 2865; 2894; 2937; 2966; 3077; 3106; 3149; 3170; 3198; 3231; 3251; 3276; 3303; 3328; 3350; 3378; 3404; 3425; 3476; 3497; 3515; 3563; 3599; 3655; 3680; 3704; 3733; 3756; 3780; 3806; 3828; 3847; 3872; 3912; 3948; 4013; 4098; 4122; 4151; 4185; 4206; 4226; 4271; 4298; 4317; 4350; 4402; 4433; 4460; 4512; 4610; 4681; 4726; 4787; 4852; 4886; 4912; 4930; 4966; 5036; 5059; 5081; 5105; 5138; 5186; 5221; 5239; 5296
Fsp4HI	GC!NGC	42	759; 810; 954; 1071; 1252; 1412; 1430; 1433; 1506; 1514; 1622; 1699; 1715; 1920; 2138; 2657; 2679; 2693; 3131; 3270; 3322; 3333; 3423; 3428; 3465; 3506; 3593; 3596; 3599; 3835; 3931; 3972; 3986; 4100; 4439; 4454; 4665; 4871; 4874; 4939; 5082; 5237
GdiII	C!GGCCR	2	1430; 3267
GdiII	Y!GGCCG	4	1430; 3267; 3832; 3859
GlaI	GC!GC	23	596; 1783; 1951; 2626; 2634; 2660; 2682; 2691; 2704; 2735; 3354; 3362; 3426; 3463; 3729; 3989; 4165; 4251; 4654; 4763; 4937; 5037; 5104
Glul	GC!NGC	42	759; 810; 954; 1071; 1252; 1412; 1430; 1433; 1506; 1514; 1622; 1699; 1715; 1920; 2138; 2657; 2679; 2693; 3131; 3270; 3322; 3333; 3423; 3428; 3465; 3506; 3593; 3596; 3599; 3835; 3931; 3972; 3986; 4100; 4439; 4454; 4665; 4871; 4874; 4939; 5082; 5237
GsaI	CCCAG!C	5	1449; 1896; 2908; 2980; 4979
GsaI	GCTGG!G	2	1035; 3869
GsuI	CTGGAGNNNNNNNNNNNNNN!	2	1786; 4201
GsuI	!NNNNNNNNNNNNNNCTCCAG	2	928; 4144
HaeI	WGG!CCW	9	1039; 1270; 1597; 1753; 3182; 3443; 4805; 5257; 5268
HaeII	RGCGC!Y	6	598; 1785; 2628; 2636; 3364; 5039
HaeIII	GG!CC	34	84; 277; 761; 1004; 1039; 1073; 1096; 1118; 1228; 1270; 1432; 1444; 1516; 1532; 1597; 1753; 1891; 2327; 2469; 3124; 3130; 3139; 3182; 3269; 3443; 3834; 3861; 4370; 4427; 4460; 4805; 5239; 5257; 5268
HaeIV	GAYNNNNNRTCNNNNNNNNNNNN!	3	1735; 2036; 3557
HaeIV	!NNNNNNNNNGAYNNNNNRTC	3	1701; 2002; 3523
HaeIV	GAYNNNNNRTCNNNNNNNNNNNN!	3	1734; 2035; 3556
HaeIV	!NNNNNNNGAYNNNNNRTC	3	1703; 2004; 3525
HapII	C!CGG	25	601; 1184; 1316; 1405; 1426; 1502; 1528; 1821; 2003; 2579; 3266; 3343; 3365; 3393; 3524; 3614; 3681; 3862; 4137; 4145; 4237; 4711; 4901; 4927; 5074
HgaI	GACGCNNNNN!	4	526; 1986; 4071; 4150
HgaI	!NNNNNNNNNNNGCGTC	4	1176; 2694; 4589; 5167
HhaI	GCG!C	23	597; 1784; 1952; 2627; 2635; 2661; 2683; 2692; 2705; 2736; 3355; 3363; 3427; 3464; 3730; 3990; 4166; 4252; 4655; 4764; 4938; 5038; 5105
HinI	GR!CGYC	9	122; 175; 258; 444; 1187; 1978; 3361; 4063; 4142
HinIII	CATG!	27	304; 364; 615; 642; 648; 660; 738; 804; 884; 1095; 1362; 1513; 1563; 1965; 2791; 2931; 3003; 3094; 3235; 3580; 3766; 3797; 3823; 4179; 4563; 5283; 5334
Hin4I	GAYNNNNNVTCNNNNNNNNNNNN!	3	1734; 2035; 3556
Hin4I	!NNNNNNNNGABNNNNNRTC	4	1702; 2003; 3524; 3554
Hin4I	GABNNNNNRTCNNNNNNNNNNNN!	4	1734; 2035; 3556; 3586
Hin4I	!NNNNNNNNGAYNNNNNVTC	3	1702; 2003; 3524
Hin6I	G!CGC	23	595; 1782; 1950; 2625; 2633; 2659; 2681; 2690; 2703; 2734; 3353; 3361; 3425; 3462; 3728; 3988; 4164; 4250; 4653; 4762; 4936; 5036; 5103
HinP1I	G!CGC	23	595; 1782; 1950; 2625; 2633; 2659; 2681; 2690; 2703; 2734; 3353; 3361; 3425; 3462; 3728; 3988; 4164; 4250; 4653; 4762; 4936; 5036; 5103
HincII	GTY!RAC	2	1356; 2124
HindII	GTY!RAC	2	1356; 2124
HindIII	A!AGCTT	1	1337

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
HinfI	G!ANTC	16	410; 740; 890; 1217; 1319; 1849; 2404; 2426; 2836; 3846; 3980; 4032; 4090; 4127; 4909; 5305
HpaI	GTT!AAC	1	2124
HpaII	C!CGG	25	601; 1184; 1316; 1405; 1426; 1502; 1528; 1821; 2003; 2579; 3266; 3343; 3365; 3393; 3524; 3614; 3681; 3862; 4137; 4145; 4237; 4711; 4901; 4927; 5074
HphI	GGTGANNNNNNN!	5	376; 627; 996; 4432; 4548
HphI	!NNNNNNNTCACC	3	885; 2478; 3539
Hpy8I	GTN!NAC	15	201; 539; 577; 672; 692; 987; 1191; 1200; 1356; 1792; 2124; 2408; 2425; 2480; 4967
Hpy99I	CGWCG!	11	1249; 1389; 1392; 1483; 3451; 3479; 3773; 3788; 4065; 4450; 5183
Hpy166II	GTN!NAC	15	201; 539; 577; 672; 692; 987; 1191; 1200; 1356; 1792; 2124; 2408; 2425; 2480; 4967
Hpy188I	TCN!GA	17	585; 699; 979; 1324; 1392; 1554; 1830; 2535; 3144; 3328; 3672; 4025; 4126; 4605; 4739; 5092; 5170
Hpy188III	TC!NNGA	26	972; 1176; 1316; 1328; 1591; 1842; 2009; 2788; 2840; 3153; 3206; 3379; 3695; 3704; 3787; 3843; 3887; 3977; 4010; 4079; 4560; 4634; 4717; 4815; 4913; 5047
HpyAV	CCTTCNNNNNN!	7	780; 828; 873; 1446; 4006; 4113; 4792
HpyAV	!NNNNNGAAGG	12	700; 1072; 1743; 1839; 1878; 2594; 3489; 4218; 4234; 4417; 4734; 5044
HpyCH4III	ACN!GT	17	76; 198; 269; 543; 581; 669; 1572; 1603; 1985; 2452; 3741; 3857; 3965; 4288; 4779; 5249; 5320
HpyCH4IV	A!CGT	16	122; 134; 175; 258; 339; 444; 968; 1244; 2421; 2433; 2476; 2586; 3477; 3664; 4445; 4578
HpyCH4V	TG!CA	25	642; 692; 1014; 1130; 1351; 1465; 1701; 1717; 1931; 2110; 2137; 2205; 2922; 2931; 2994; 3003; 3118; 3194; 3253; 3412; 3587; 3601; 4671; 4967; 5334
HpyF3I	C!TNAG	12	869; 1166; 1321; 1553; 1658; 1721; 2841; 3143; 4024; 4473; 4596; 5005
HpyF10VI	GCNNNNN!NNGC	36	90; 212; 244; 283; 376; 400; 648; 1079; 1093; 1408; 1441; 1519; 1627; 1683; 1704; 1928; 1956; 2588; 2618; 2645; 2687; 2928; 3000; 3051; 3130; 3352; 3436; 3459; 3598; 3721; 3804; 4071; 4258; 4462; 4661; 5233
Hsp92I	GR!CGYC	9	122; 175; 258; 444; 1187; 1978; 3361; 4063; 4142
Hsp92II	CATG!	27	304; 364; 615; 642; 648; 660; 738; 804; 884; 1095; 1362; 1513; 1563; 1965; 2791; 2931; 3003; 3094; 3235; 3580; 3766; 3797; 3823; 4179; 4563; 5283; 5334
HspAI	G!CGC	23	595; 1782; 1950; 2625; 2633; 2659; 2681; 2690; 2703; 2734; 3353; 3361; 3425; 3462; 3728; 3988; 4164; 4250; 4653; 4762; 4936; 5036; 5103
KasI	G!GCGCC	1	3360
KfII	GG!GWCCC	0	
KpnI	GGTAC!C	0	
Kpn2I	T!CCGGA	1	1315
KspI	CCGC!GG	0	
Ksp22I	T!GATCA	1	2018
KspAI	GTT!AAC	1	2124
Kzo9I	!GATC	25	585; 974; 1124; 1150; 1324; 1811; 1996; 2005; 2018; 3198; 3202; 3221; 3532; 3610; 3691; 3700; 3778; 4154; 4170; 4529; 4541; 4619; 4627; 4638; 4713
LguI	GCTCTCN!	0	
LguI	!NNNNGAAGAGC	2	3705; 3915
LpnI	RG!GICY	6	596; 1783; 2626; 2634; 3362; 5037
LpnPI	CCDGNNNNNNNNN!	77	102; 295; 614; 742; 799; 847; 881; 943; 958; 1019; 1066; 1087; 1111; 1135; 1197; 1284; 1329; 1418; 1439; 1453; 1511; 1541; 1619; 1645; 1663; 1777; 1792; 1834; 1880; 1906; 1960; 1981; 2016; 2098; 2403; 2592; 2815; 2853; 2869; 2909; 2964; 2981; 3081; 3166; 3279; 3356; 3378; 3401; 3537; 3551; 3570; 3627; 3694; 3744; 3760; 3817; 3875; 4084; 4150; 4174; 4250; 4339; 4442; 4475; 4706; 4724; 4870; 4890; 4914; 4940; 4989; 5087; 5132; 5162; 5241; 5266; 5303

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
LpnPI	!NNNNNNNNNNNNNNCHGG	69	75; 268; 552; 586; 772; 820; 916; 1017; 1060; 1169; 1195; 1282; 1301; 1390; 1411; 1435; 1487; 1513; 1532; 1576; 1618; 1636; 1693; 1720; 1750; 1806; 1853; 1988; 2444; 2564; 2621; 2684; 2882; 2894; 2954; 2966; 3198; 3243; 3286; 3328; 3350; 3378; 3425; 3487; 3509; 3599; 3666; 3689; 3733; 3828; 3847; 3872; 4021; 4122; 4165; 4222; 4312; 4415; 4442; 4460; 4696; 4733; 4886; 4912; 5052; 5070; 5105; 5186; 5239
Lsp1109I	GCAGCNNNNNNNN!	11	821; 1263; 1517; 1633; 1931; 2149; 3434; 3476; 3997; 4450; 4950
Lsp1109I	!NNNNNNNNNNNNNGCTGC	8	940; 1685; 2643; 3308; 3492; 3585; 4651; 4857
LweI	GCATCNNNNN!	10	848; 1673; 1726; 1834; 2177; 2940; 3012; 3660; 3724; 3999
LweI	!NNNNNNNNNGATGC	8	357; 1001; 1169; 1701; 3319; 3574; 3790; 5182
MabI	A!CCWGGT	1	2950
MaeI	C!TAG	10	592; 1289; 1992; 2009; 2210; 2628; 3184; 4199; 4533; 4786
MaeII	A!CGT	16	122; 134; 175; 258; 339; 444; 968; 1244; 2421; 2433; 2476; 2586; 3477; 3664; 4445; 4578
MaeIII	!GTNAC	15	61; 148; 497; 891; 1725; 1900; 2149; 2650; 2662; 3481; 3787; 4477; 4743; 4859; 4922
MaII	GA!TC	25	587; 976; 1126; 1152; 1326; 1813; 1998; 2007; 2020; 3200; 3204; 3223; 3534; 3612; 3693; 3702; 3780; 4156; 4172; 4531; 4543; 4621; 4629; 4640; 4715
MaqI	CRTTGACNNNNNNNNNNNNNNNNNNNN!	4	144; 197; 466; 540
MaqI	!NNNNNNNNNNNNNNNNNNNGTCAAYG	4	157; 240; 426; 1553
MauBI	CG!CGCGCG	0	
MbiI	CCG!CTC	2	2785; 3974
MbiI	GAG!CGG	2	2621; 4028
MboI	!GATC	25	585; 974; 1124; 1150; 1324; 1811; 1996; 2005; 2018; 3198; 3202; 3221; 3532; 3610; 3691; 3700; 3778; 4154; 4170; 4529; 4541; 4619; 4627; 4638; 4713
MboII	GAAGANNNNNNNN!	10	916; 1029; 1149; 1217; 1815; 2617; 2845; 3722; 3932; 4551
MboII	!NNNNNNNTCTTC	5	1371; 4012; 4179; 4379; 4622
McaTI	GCGC!GC	0	
MfeI	C!AATTG	1	2111
MflI	R!GATCY	12	585; 1150; 1324; 1996; 2005; 3532; 3778; 4170; 4529; 4541; 4627; 4638
MhII	GDGCH!C	17	667; 694; 727; 1304; 1335; 1404; 1497; 1534; 1961; 2552; 3307; 3400; 3474; 3664; 3726; 4436; 4969
MIsI	TGG!CCA	2	1270; 3443
MluI	A!CGCGT	1	2247
MluNI	TGG!CCA	2	1270; 3443
MlyI	GAGTCNNNNN!	3	899; 2413; 2845
MlyI	!NNNNNGACTC	5	404; 1313; 2420; 4026; 4903
Mly113I	GG!CGCC	1	3361
MmeI	TCCRACNNNNNNNNNNNNNNNNNNNN!	2	1022; 2454
MmeI	!NNNNNNNNNNNNNNNNNGTYGGA	3	1370; 4886; 5070
MnII	CCTCNNNNNNN!	13	773; 952; 967; 1050; 1183; 1294; 2080; 3144; 3962; 4168; 4482; 4852; 5176
MnII	!NNNNNGAGG	31	541; 654; 693; 714; 747; 864; 973; 1029; 1218; 1251; 1401; 1413; 1476; 1548; 1587; 1674; 1761; 1824; 1851; 2040; 2505; 2836; 3114; 3157; 3172; 3212; 3276; 3412; 3769; 4199; 5102
Mph1103I	ATGCA!T	3	2933; 3005; 5336
MreI	CG!CCGGCG	0	
MroI	T!CCGGA	1	1315
MroNI	G!CCGGC	4	1501; 2578; 3861; 4144
MroXI	GAANN!NNTTC	0	
MscI	TGG!CCA	2	1270; 3443
MseI	T!TAA	18	7; 629; 854; 1310; 2062; 2123; 2244; 2265; 2276; 2288; 2299; 2316; 2414; 2685; 4504; 4518; 4523; 4575
MslI	CAYNN!NNRTG	4	365; 613; 643; 3798
MspI	C!CGG	25	601; 1184; 1316; 1405; 1426; 1502; 1528; 1821; 2003; 2579; 3266; 3343; 3365; 3393; 3524; 3614; 3681; 3862; 4137; 4145; 4237; 4711; 4901; 4927; 5074
Msp20I	TGG!CCA	2	1270; 3443
MspA1I	CMG!CKG	5	1063; 2859; 3467; 4696; 4941
MspCI	C!TTAAG	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MspJI	CNNRNNNNNNNNNN!	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; 633; 651; 669; 699; 717; 732; 747; 765; 798; 813; 841; 856; 880; 893; 909; 927; 941; 957; 970; 984; 1005; 1018; 1039; 1058; 1072; 1086; 1100; 1117; 1134; 1155; 1174; 1188; 1215; 1233; 1253; 1267; 1283; 1300; 1315; 1328; 1342; 1355; 1371; 1395; 1416; 1437; 1452; 1470; 1494; 1510; 1531; 1546; 1559; 1572; 1603; 1618; 1632; 1645; 1661; 1681; 1699; 1714; 1733; 1747; 1766; 1791; 1807; 1821; 1834; 1854; 1878; 1904; 1924; 1944; 1959; 1972; 1987; 2000; 2015; 2029; 2044; 2068; 2085; 2098; 2139; 2153; 2166; 2184; 2222; 2237; 2255; 2296; 2320; 2340; 2358; 2379; 2402; 2434; 2449; 2471; 2489; 2502; 2523; 2540; 2553; 2566; 2582; 2595; 2625; 2640; 2665; 2683; 2696; 2711; 2735; 2749; 2773; 2798; 2814; 2852; 2868; 2907; 2921; 2935; 2963; 2979; 2993; 3007; 3036; 3049; 3070; 3079; 3101; 3131; 3147; 3165; 3195; 3218; 3242; 3266; 3285; 3313; 3339; 3355; 3368; 3391; 3405; 3425; 3438; 3452; 3471; 3485; 3498; 3514; 3529; 3542; 3558; 3573; 3589; 3614; 3633; 3649; 3662; 3675; 3693; 3707; 3721; 3737; 3759; 3775; 3794; 3816; 3832; 3855; 3874; 3888; 3904; 3918; 3938; 3954; 3967; 3989; 4022; 4036; 4056; 4069; 4083; 4137; 4150; 4173; 4186; 4205; 4222; 4249; 4285; 4318; 4337; 4362; 4383; 4410; 4423; 4440; 4454; 4469; 4485; 4545; 4570; 4586; 4608; 4621; 4635; 4666; 4680; 4705; 4723; 4738; 4751; 4770; 4783; 4798; 4827; 4846; 4864; 4889; 4904; 4923; 4939; 4958; 4976; 4992; 5006; 5025; 5052; 5075; 5097; 5116; 5131; 5144; 5161; 5181; 5208; 5221; 5240; 5265; 5288; 5302; 5315; 5332
MspJI	!NNNNNNNNNNNNYNG	225	8; 35; 59; 76; 97; 123; 145; 168; 197; 221; 269; 281; 310; 330; 347; 377; 400; 437; 465; 492; 511; 531; 553; 574; 598; 616; 643; 673; 697; 715; 739; 758; 780; 820; 841; 867; 887; 916; 958; 992; 1013; 1033; 1060; 1078; 1095; 1113; 1141; 1162; 1181; 1207; 1229; 1252; 1275; 1301; 1322; 1345; 1369; 1390; 1411; 1432; 1452; 1475; 1496; 1514; 1533; 1570; 1592; 1618; 1636; 1653; 1688; 1708; 1730; 1750; 1771; 1795; 1814; 1840; 1865; 1884; 1909; 1929; 1948; 1974; 1995; 2013; 2042; 2071; 2113; 2196; 2234; 2258; 2281; 2310; 2354; 2376; 2408; 2444; 2461; 2482; 2519; 2539; 2556; 2573; 2608; 2626; 2644; 2661; 2685; 2707; 2734; 2762; 2788; 2826; 2847; 2864; 2882; 2905; 2926; 2954; 2977; 2998; 3016; 3037; 3054; 3077; 3101; 3121; 3139; 3161; 3192; 3214; 3240; 3259; 3276; 3304; 3323; 3342; 3360; 3378; 3399; 3421; 3445; 3478; 3498; 3516; 3537; 3563; 3590; 3607; 3624; 3641; 3667; 3689; 3711; 3729; 3749; 3768; 3790; 3828; 3848; 3872; 3892; 3912; 3939; 3963; 3996; 4015; 4043; 4065; 4094; 4122; 4147; 4166; 4185; 4206; 4223; 4240; 4271; 4298; 4318; 4341; 4361; 4398; 4415; 4434; 4460; 4480; 4519; 4546; 4565; 4583; 4620; 4638; 4679; 4697; 4723; 4740; 4772; 4801; 4829; 4850; 4873; 4892; 4913; 4931; 4948; 4966; 4992; 5013; 5033; 5053; 5071; 5092; 5118; 5135; 5154; 5173; 5202; 5221; 5239; 5258; 5276; 5294; 5317
MspR9I	CC!NGG	30	90; 283; 787; 835; 931; 946; 1075; 1184; 1405; 1426; 1441; 1529; 1633; 1651; 1765; 1822; 1868; 2897; 2952; 2969; 3365; 3525; 3748; 4138; 4327; 4430; 4902; 5120; 5133; 5254
MssI	GTTT!AAAC	0	
MunI	C!AATTG	1	2111
MvaI	CC!WGG	21	90; 283; 787; 835; 931; 946; 1075; 1441; 1633; 1651; 1765; 1868; 2897; 2952; 2969; 3748; 4327; 4430; 5120; 5133; 5254
Mva1269I	GAATGCN!	1	2112
Mva1269I	G!CATTC	1	2205
MvnI	CG!CG	15	60; 2249; 2285; 2661; 2681; 2705; 2736; 3427; 3728; 4166; 4250; 4313; 4382; 4655; 5236
MvrI	CGAT!CG	0	
MwoI	GCNNNNN!NNGC	36	90; 212; 244; 283; 376; 400; 648; 1079; 1093; 1408; 1441; 1519; 1627; 1683; 1704; 1928; 1956; 2588; 2618; 2645; 2687; 2928; 3000; 3051; 3130; 3352; 3436; 3459; 3598; 3721; 3804; 4071; 4258; 4462; 4661; 5233
NaeI	GCC!GGC	4	1503; 2580; 3863; 4146
NarI	GG!CGCC	1	3361
NciI	CC!SGG	9	1184; 1405; 1426; 1529; 1822; 3365; 3525; 4138; 4902
NcoI	C!CATGG	4	360; 611; 3090; 3793
NdeI	CA!TATG	1	234

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
NdeII	!GATC	25	585; 974; 1124; 1150; 1324; 1811; 1996; 2005; 2018; 3198; 3202; 3221; 3532; 3610; 3691; 3700; 3778; 4154; 4170; 4529; 4541; 4619; 4627; 4638; 4713
NgoAVIII	GACNNNNNTGANNNNNNNNNNNN!	2	280; 1380
NgoAVIII	!NNNNNNNNNNNTCANNNNNGTC	1	731
NgoAVIII	TCANNNNGTCNNNNNNNNNNNN!	1	767
NgoAVIII	!NNNNNNNNNNNGACNNNNNTGA	2	244; 1344
NgoMIV	G!CCGGC	4	1501; 2578; 3861; 4144
NheI	G!CTAGC	1	591
NlaIII	CATG!	27	304; 364; 615; 642; 648; 660; 738; 804; 884; 1095; 1362; 1513; 1563; 1965; 2791; 2931; 3003; 3094; 3235; 3580; 3766; 3797; 3823; 4179; 4563; 5283; 5334
NlaIV	GGN!NCC	26	467; 666; 726; 1117; 1401; 1424; 1496; 1517; 1533; 1566; 1655; 1777; 1998; 2516; 2537; 2549; 2740; 2901; 2973; 3362; 3397; 4245; 4324; 4369; 5212; 5251
NlaCI	CATCACNNNNNNNNNNNNNNNNNN!	3	2193; 2508; 4100
NlaCI	!NNNNNNNNNNNNNNNNNGTGATG	3	347; 991; 5172
Nli3877I	CYCGR!G	1	1332
NmeAIII	GCCGAGNNNNNNNNNNNNNNNNNN!	2	3150; 3586
NmeAIII	!NNNNNNNNNNNNNNNNNNCTCGGC	2	1007; 3115
NmeDI	RCCGGYNNNNNNN!	6	612; 1513; 2590; 3692; 3873; 4156
NmeDI	!NNNNNNNNNNNNRCCGGY	6	587; 1488; 2565; 3667; 3848; 4131
NmuCI	!GTSAC	6	891; 1725; 1900; 2650; 3481; 3787
NotI	GC!GGCCGC	1	1430
NruI	TCG!CGA	0	
NsbI	TGC!GCA	1	3463
NsiI	ATGCA!T	3	2933; 3005; 5336
NspI	RCATG!Y	5	642; 2931; 3003; 3766; 5283
NspV	TT!CGAA	2	1342; 4043
OliI	CACNN!NNGTG	1	613
PabI	GTA!C	10	220; 245; 300; 333; 384; 541; 656; 806; 1058; 3668
PacI	TTAAT!TAA	0	
PaeI	GCATG!C	3	2931; 3003; 3766
PaeR7I	C!TCGAG	1	1328
PagI	T!CATGA	2	2787; 4559
PalAI	GG!CGCGCC	0	
PasI	CC!CWGGG	3	834; 4326; 4429
PauI	G!CGCGC	0	
PceI	AGG!CCT	2	1039; 3182
PciI	A!CATGT	1	5279
PciSI	GCTCTTCN!	0	
PciSI	!NNNNGAAGAGC	2	3705; 3915
PcsI	WCGNNNN!NNNCGW	7	1253; 3655; 3732; 3975; 4049; 4442; 4960
PctI	GAATGCN!	1	2112
PctI	G!CATTC	1	2205
PdiI	GCC!GGC	4	1503; 2580; 3863; 4146
PdmI	GAANN!NNTTC	0	
PfeI	G!AWTC	8	740; 1217; 1849; 3846; 3980; 4090; 4127; 5305
Pfl23II	C!GTACG	0	
PfIFI	GACN!NNGTC	1	3479
PfIMI	CCANNN!NTGG	0	
PfoI	T!CCNGGA	2	944; 4136
PhoI	GG!CC	34	84; 277; 761; 1004; 1039; 1073; 1096; 1118; 1228; 1270; 1432; 1444; 1516; 1532; 1597; 1753; 1891; 2327; 2469; 3124; 3130; 3139; 3182; 3269; 3443; 3834; 3861; 4370; 4427; 4460; 4805; 5239; 5257; 5268
PinAI	A!CCGGT	1	600
PlaDI	CATCAGNNNNNNNNNNNNNNNNNN!	1	3742
PlaDI	!NNNNNNNNNNNNNNNNNNCTGATG	4	1344; 1590; 3307; 3562
PleI	GAGTCNNNN!	3	898; 2412; 2844
PleI	!NNNNNGACTC	5	404; 1313; 2420; 4026; 4903
Ple19I	CGAT!CG	0	
PmaCI	CAC!GTG	0	
PmeI	GTTT!AAAC	0	
PmII	CAC!GTG	0	
PpiI	GAACNNNNNCTCNNNNNNNNNNNN!	1	2443

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
PpiI	!NNNNNNNGAGNNNNNGTTC	1	4573
PpiI	GAGNNNNGTTCNNNNNNNNNNNN!	1	4605
PpiI	!NNNNNNNGAACNNNNNNCTC	1	2411
PpsI	GAGTCNNNN!	3	898; 2412; 2844
PpsI	!NNNNNGACTC	5	404; 1313; 2420; 4026; 4903
Ppu10I	A!TGCAT	3	2929; 3001; 5332
Ppu21I	YAC!GTR	3	340; 2477; 3665
PpuMI	RG!GWCCY	2	1422; 1761
PscI	A!CATGT	1	5279
PshAI	GACNN!NNGTC	2	1243; 1570
PshBI	AT!TAAT	1	7
PsiI	TTA!TAA	2	2144; 2349
Psp03I	GGWC!C	6	1425; 1568; 1606; 1764; 3880; 4325
Psp5II	RG!GWCCY	2	1422; 1761
Psp6I	!CCWGG	21	88; 281; 785; 833; 929; 944; 1073; 1439; 1631; 1649; 1763; 1866; 2895; 2950; 2967; 3746; 4325; 4428; 5118; 5131; 5252
Psp1406I	AA!CGTT	0	
Psp124BI	GAGTC!C	1	1335
PspCI	CAC!GTG	0	
PspEI	G!GTNACC	0	
PspGI	!CCWGG	21	88; 281; 785; 833; 929; 944; 1073; 1439; 1631; 1649; 1763; 1866; 2895; 2950; 2967; 3746; 4325; 4428; 5118; 5131; 5252
PspLI	C!GTACG	0	
PspN4I	GGN!NCC	26	467; 666; 726; 1117; 1401; 1424; 1496; 1517; 1533; 1566; 1655; 1777; 1998; 2516; 2537; 2549; 2740; 2901; 2973; 3362; 3397; 4245; 4324; 4369; 5212; 5251
PspOMI	G!GGCCC	1	1530
PspOMII	CGCCCARNNNNNNNNNNNNNNNNNNNN!	3	125; 3091; 4090
PspOMII	!NNNNNNNNNNNNNNNNNNNYTGGGCG	1	3493
PspPI	G!GNCC	20	83; 276; 760; 1003; 1095; 1116; 1422; 1443; 1515; 1531; 1565; 1603; 1761; 1890; 2468; 3877; 4322; 4368; 4426; 4459
PspPPI	RG!GWCCY	2	1422; 1761
PspPRI	CCYCAGNNNNNNNNNNNNNNNN!	4	1885; 2914; 2986; 4492
PspPRI	!NNNNNNNNNNNNNNNNCTGRGG	5	855; 1283; 1539; 2827; 4022
PspXI	VC!TCGAGB	0	
PsrI	GAACNNNNNTACNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGTANNNNNNGTTC	0	
PsrI	GTANNNNNNGTTCNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGAACNNNNNNNTAC	0	
PssI	RGGNC!CY	4	1425; 1534; 1764; 4462
PstI	CTGCA!G	1	1353
PstNI	CAGNN!CTG	3	1277; 4462; 4870
PsuI	R!GATCY	12	585; 1150; 1324; 1996; 2005; 3532; 3778; 4170; 4529; 4541; 4627; 4638
PsyI	GACN!NNGTC	1	3479
PteI	G!CGCGC	0	
PvuI	CGAT!CG	0	
PvuII	CAG!CTG	2	2859; 3467
RcaI	T!CATGA	2	2787; 4559
RceI	CATCGACNNNNNNNNNNNNNNNNNN!	1	3876
RceI	!NNNNNNNNNNNNNNNNNGTCGATG	0	
RgaI	GCGAT!CGC	0	
RigI	GGCCGG!CC	0	
RleAI	CCCACANNNNNNNNNNNN!	1	2090
RleAI	!NNNNNNNNNTGTGGG	0	
RpaBI	CCCGCAGNNNNNNNNNNNNNNNNNN!	0	
RpaBI	!NNNNNNNNNNNNNNNNNNCTGCGGG	0	
RpaB5I	CGRGACNNNNNNNNNNNNNNNNNN!	0	
RpaB5I	!NNNNNNNNNNNNNNNNNGTCCYCG	0	
RruI	TCG!CGA	0	
RsaI	GT!AC	10	219; 244; 299; 332; 383; 540; 655; 805; 1057; 3667
RsaNI	G!TAC	10	218; 243; 298; 331; 382; 539; 654; 804; 1056; 3666
RseI	CAYNN!NNRTG	4	365; 613; 643; 3798
RsrII	CG!GWCCG	1	3877
Rsr2I	CG!GWCCG	1	3877

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SacI	GAGCT!C	1	1335
SacII	CCGC!GG	0	
SalI	G!TCGAC	1	1354
SapI	GCTCTTCN!	0	
SapI	!NNNNGAAGAGC	2	3705; 3915
SaqAI	T!TAA	18	7; 629; 854; 1310; 2062; 2123; 2244; 2265; 2276; 2288; 2299; 2316; 2414; 2685; 4504; 4518; 4523; 4575
SatI	GC!NGC	42	759; 810; 954; 1071; 1252; 1412; 1430; 1433; 1506; 1514; 1622; 1699; 1715; 1920; 2138; 2657; 2679; 2693; 3131; 3270; 3322; 3333; 3423; 3428; 3465; 3506; 3593; 3596; 3599; 3835; 3931; 3972; 3986; 4100; 4439; 4454; 4665; 4871; 4874; 4939; 5082; 5237
Sau96I	G!GNCC	20	83; 276; 760; 1003; 1095; 1116; 1422; 1443; 1515; 1531; 1565; 1603; 1761; 1890; 2468; 3877; 4322; 4368; 4426; 4459
Sau3AI	!GATC	25	585; 974; 1124; 1150; 1324; 1811; 1996; 2005; 2018; 3198; 3202; 3221; 3532; 3610; 3691; 3700; 3778; 4154; 4170; 4529; 4541; 4619; 4627; 4638; 4713
SbfI	CCTGCA!GG	0	
ScaI	AGT!ACT	0	
SchI	GAGTCNNNNN!	3	899; 2413; 2845
SchI	!NNNNNGACTC	5	404; 1313; 2420; 4026; 4903
SciI	CTC!GAG	1	1330
ScrFI	CC!NGG	30	90; 283; 787; 835; 931; 946; 1075; 1184; 1405; 1426; 1441; 1529; 1633; 1651; 1765; 1822; 1868; 2897; 2952; 2969; 3365; 3525; 3748; 4138; 4327; 4430; 4902; 5120; 5133; 5254
SdaI	CCTGCA!GG	0	
SdeAI	CAGRAGNNNNNNNNNNNNNNNNNNNNNN!	9	1041; 1229; 1476; 1617; 1677; 2939; 3011; 3180; 5122
SdeAI	!NNNNNNNNNNNNNNNNNNNNCTYCTG	2	3516; 4001
SdeOSI	GACNNNNRTGANNNNNNNNNNNNN!	1	279
SdeOSI	!NNNNNNNNNNNTCAYNNNNNGTC	0	
SdeOSI	TCAYNNNNNGTCNNNNNNNNNNNNNN!	0	
SdeOSI	!NNNNNNNNNNNGACNNNNNRTGA	1	245
SduI	GDGCH!C	17	667; 694; 727; 1304; 1335; 1404; 1497; 1534; 1961; 2552; 3307; 3400; 3474; 3664; 3726; 4436; 4969
SelI	!CGCG	15	58; 2247; 2283; 2659; 2679; 2703; 2734; 3425; 3726; 4164; 4248; 4311; 4380; 4653; 5234
SetI	ASST!	69	125; 137; 178; 261; 308; 342; 447; 552; 568; 626; 653; 799; 820; 971; 1106; 1124; 1175; 1243; 1247; 1262; 1286; 1335; 1341; 1500; 1709; 1727; 1766; 1889; 1898; 2051; 2072; 2081; 2093; 2142; 2309; 2424; 2436; 2479; 2516; 2566; 2589; 2713; 2861; 2956; 3149; 3262; 3390; 3469; 3480; 3552; 3623; 3667; 3927; 4073; 4117; 4448; 4479; 4538; 4581; 4724; 4745; 4844; 4981; 4996; 5015; 5027; 5071; 5117; 5168
SexAI	A!CCWGGT	1	2950
SfaAI	GCGAT!CGC	0	
SfaNI	GCATCNNNNN!	10	848; 1673; 1726; 1834; 2177; 2940; 3012; 3660; 3724; 3999
SfaNI	!NNNNNNNNNGATGC	8	357; 1001; 1169; 1701; 3319; 3574; 3790; 5182
SfcI	C!TRYAG	4	1349; 2696; 4823; 5014
SfiI	GGCCNNNN!NGGCC	1	3136
SfoI	GGC!GCC	1	3362
Sfr274I	C!TCGAG	1	1328
Sfr303I	CCGC!GG	0	
SfuI	TT!CGAA	2	1342; 4043

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SgeI	CNNGNNNNNNNNNN!	216	6; 36; 71; 97; 123; 223; 236; 252; 290; 307; 336; 373; 407; 426; 491; 548; 579; 604; 624; 651; 669; 699; 723; 741; 756; 798; 813; 846; 880; 893; 921; 942; 957; 984; 1018; 1039; 1059; 1072; 1086; 1104; 1117; 1134; 1167; 1188; 1222; 1260; 1283; 1301; 1328; 1342; 1371; 1395; 1416; 1437; 1452; 1470; 1494; 1510; 1531; 1548; 1572; 1603; 1618; 1644; 1662; 1683; 1714; 1740; 1756; 1776; 1791; 1807; 1821; 1834; 1854; 1879; 1905; 1926; 1955; 1974; 2000; 2015; 2068; 2097; 2139; 2222; 2260; 2296; 2380; 2402; 2434; 2471; 2489; 2508; 2523; 2565; 2582; 2599; 2634; 2648; 2665; 2687; 2711; 2735; 2800; 2814; 2852; 2868; 2908; 2921; 2940; 2963; 2980; 2993; 3012; 3042; 3063; 3080; 3103; 3138; 3165; 3196; 3218; 3244; 3266; 3285; 3313; 3349; 3368; 3391; 3405; 3425; 3438; 3452; 3471; 3485; 3504; 3536; 3550; 3563; 3589; 3620; 3633; 3650; 3667; 3681; 3698; 3716; 3731; 3759; 3775; 3794; 3816; 3832; 3855; 3874; 3899; 3918; 3938; 3965; 3989; 4022; 4041; 4069; 4083; 4149; 4173; 4188; 4211; 4232; 4249; 4297; 4324; 4338; 4367; 4391; 4424; 4441; 4461; 4474; 4487; 4545; 4572; 4591; 4621; 4646; 4666; 4680; 4705; 4723; 4760; 4798; 4827; 4855; 4869; 4889; 4904; 4925; 4939; 4958; 4976; 4992; 5032; 5052; 5079; 5097; 5118; 5131; 5144; 5161; 5185; 5208; 5240; 5265; 5292; 5314
SgeI	!NNNNNNNNNNNNCNG	189	10; 45; 71; 97; 197; 226; 264; 281; 310; 347; 381; 400; 465; 522; 553; 578; 598; 625; 643; 673; 697; 715; 739; 772; 820; 854; 895; 916; 958; 992; 1013; 1033; 1060; 1078; 1099; 1120; 1141; 1162; 1196; 1234; 1257; 1275; 1302; 1322; 1345; 1369; 1390; 1411; 1432; 1452; 1477; 1496; 1514; 1533; 1577; 1618; 1636; 1657; 1688; 1714; 1741; 1765; 1795; 1816; 1840; 1879; 1900; 1929; 1948; 1974; 1995; 2042; 2071; 2113; 2196; 2234; 2270; 2354; 2376; 2408; 2445; 2463; 2482; 2539; 2556; 2573; 2608; 2626; 2646; 2666; 2685; 2709; 2774; 2826; 2882; 2914; 2937; 2954; 2986; 3016; 3037; 3054; 3077; 3112; 3139; 3170; 3192; 3218; 3240; 3259; 3287; 3323; 3342; 3365; 3386; 3404; 3421; 3445; 3478; 3510; 3537; 3563; 3594; 3624; 3641; 3667; 3690; 3711; 3733; 3753; 3773; 3790; 3829; 3848; 3873; 3892; 3912; 3939; 3963; 3996; 4015; 4043; 4065; 4123; 4147; 4166; 4185; 4206; 4223; 4271; 4298; 4318; 4341; 4365; 4398; 4415; 4435; 4461; 4519; 4546; 4565; 4595; 4620; 4640; 4679; 4697; 4734; 4772; 4801; 4829; 4850; 4878; 4899; 4932; 4950; 5006; 5026; 5053; 5071; 5092; 5118; 5135; 5159; 5182; 5214; 5239; 5266; 5288; 5317
SgfI	GCGAT!CGC	0	
SgrAI	CR!CCGGYG	0	
SgrBI	CCGC!GG	0	
SgrDI	CG!TCGACG	0	
SgsI	GG!CGCGCC	0	
SimI	GG!GTC	4	27; 2508; 4295; 5088
SimI	!GACCC	8	106; 1049; 1422; 1646; 1862; 3789; 4357; 4605
SinI	G!GWCC	6	1422; 1565; 1603; 1761; 3877; 4322
SlaI	C!TCGAG	1	1328
SmaI	CCC!GGG	0	
SmiI	ATTT!AAAT	0	
SmiMI	CAYNN!NNRTG	4	365; 613; 643; 3798
SmlI	C!TYRAG	7	1174; 1328; 1334; 3752; 4634; 4911; 5173
SmoI	C!TYRAG	7	1174; 1328; 1334; 3752; 4634; 4911; 5173
SmuI	CCCGCNNNN!	13	93; 119; 286; 1068; 1170; 1527; 1951; 1996; 2683; 3038; 3059; 4255; 4387
SmuI	!NNNNNNGCGGG	7	1105; 1736; 2614; 3484; 4021; 4159; 4306
SnaBI	TAC!GTA	1	340
SpeI	A!CTAGT	0	
SphI	GCATG!C	3	2931; 3003; 3766
SrfI	GCCC!GGGC	0	
Sse9I	!AATT	12	18; 1311; 1344; 2111; 2175; 2253; 2279; 2290; 2937; 3009; 3101; 4519
Sse8387I	CCTGCA!GG	0	
Sse8647I	AG!GWCCT	1	1761
SseBI	AGG!CCT	2	1039; 3182
SsiI	C!CGC	39	58; 86; 98; 112; 279; 507; 589; 923; 1061; 1163; 1433; 1520; 1668; 1944; 1989; 2676; 2679; 2693; 2783; 3031; 3043; 3052; 3064; 3074; 3085; 3131; 3270; 3333; 3835; 3880; 3946; 3972; 4097; 4100; 4248; 4380; 4687; 4831; 5327

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SsiI	G!CGG	32	370; 403; 528; 748; 758; 1070; 1112; 1411; 1414; 1429; 1513; 1743; 2621; 2648; 2736; 2846; 3427; 3491; 3592; 3595; 3875; 3930; 4028; 4166; 4313; 4453; 4696; 4941; 5062; 5081; 5208; 5236
SspI	AAT!ATT	2	2269; 2822
SspDI	G!GCGCC	1	3360
SspD5I	GGTGANNNNNNNN!	5	376; 627; 996; 4432; 4548
SspD5I	!NNNNNNNNNTCACC	3	884; 2477; 3538
SstI	GAGCT!C	1	1335
SstII	CCG!GG	0	
SstE37I	CGAAGACNNNNNNNNNNNNNNNNNNNN!	1	929
SstE37I	!NNNNNNNNNNNNNNNNNGTCTTCG	0	
Sth132I	CCCGNNNN!	24	92; 118; 285; 851; 1067; 1169; 1190; 1411; 1432; 1526; 1950; 1995; 2560; 2682; 3037; 3058; 3371; 3774; 3913; 3984; 4254; 4386; 4616; 5054
Sth132I	!NNNNNNNNCCGGG	24	15; 407; 470; 900; 1104; 1482; 1520; 1735; 1813; 2561; 2613; 2714; 3441; 3483; 3516; 4020; 4129; 4158; 4305; 4409; 4440; 4893; 4937; 5145
Sth302II	CC!GG	25	602; 1185; 1317; 1406; 1427; 1503; 1529; 1822; 2004; 2580; 3267; 3344; 3366; 3394; 3525; 3615; 3682; 3863; 4138; 4146; 4238; 4712; 4902; 4928; 5075
StrI	C!TCGAG	1	1328
StsI	GGATGNNNNNNNNNN!	5	1724; 3229; 3686; 3711; 4165
StsI	!NNNNNNNNNNNNNNCATCC	7	680; 768; 825; 980; 1650; 1811; 3033
StuI	AGG!CCT	2	1039; 3182
StyI	C!CWWGG	7	360; 611; 1853; 3090; 3183; 3793; 4198
StyD4I	!CCNGG	30	88; 281; 785; 833; 929; 944; 1073; 1182; 1403; 1424; 1439; 1527; 1631; 1649; 1763; 1820; 1866; 2895; 2950; 2967; 3363; 3523; 3746; 4136; 4325; 4428; 4900; 5118; 5131; 5252
SwaI	ATTT!AAAT	0	
TaaI	ACN!GT	17	76; 198; 269; 543; 581; 669; 1572; 1603; 1985; 2452; 3741; 3857; 3965; 4288; 4779; 5249; 5320
TaiI	ACGT!	16	125; 137; 178; 261; 342; 447; 971; 1247; 2424; 2436; 2479; 2589; 3480; 3667; 4448; 4581
TaqI	T!CGA	17	752; 779; 1247; 1329; 1342; 1355; 2510; 3201; 3474; 3630; 3654; 3690; 3852; 4043; 4088; 4343; 5181
TaqII	GACCGANNNNNNNNNN!	3	2381; 3398; 4066
TaqII	!NNNNNNNNNTCGGTC	1	4310
TaqII	CACCCANNNNNNNNNN!	2	742; 847
TaqII	!NNNNNNNNNTGGGTG	3	172; 3265; 3857
TasI	!AATT	12	18; 1311; 1344; 2111; 2175; 2253; 2279; 2290; 2937; 3009; 3101; 4519
TatI	W!GTACW	5	217; 297; 330; 381; 653
TauI	GCSG!C	21	761; 1073; 1414; 1432; 1435; 1516; 2681; 2695; 3133; 3272; 3335; 3430; 3595; 3598; 3837; 3933; 3974; 4102; 4456; 5084; 5239
TfiI	G!AWTC	8	740; 1217; 1849; 3846; 3980; 4090; 4127; 5305
TliI	C!TCGAG	1	1328
TruII	T!TAA	18	7; 629; 854; 1310; 2062; 2123; 2244; 2265; 2276; 2288; 2299; 2316; 2414; 2685; 4504; 4518; 4523; 4575
Tru9I	T!TAA	18	7; 629; 854; 1310; 2062; 2123; 2244; 2265; 2276; 2288; 2299; 2316; 2414; 2685; 4504; 4518; 4523; 4575
TscAI	CASTGNN!	7	1933; 1988; 2207; 3490; 4600; 4871; 4884
TseI	G!CWGC	21	809; 953; 1251; 1505; 1621; 1698; 1714; 1919; 2137; 2656; 3321; 3422; 3464; 3505; 3598; 3985; 4438; 4664; 4870; 4873; 4938
TsoI	TARCCANNNNNNNNNN!	3	621; 2333; 2680
TsoI	!NNNNNNNNNTGGYTA	4	778; 1604; 2138; 3890
Tsp45I	!GTSAC	6	891; 1725; 1900; 2650; 3481; 3787
Tsp509I	!AATT	12	18; 1311; 1344; 2111; 2175; 2253; 2279; 2290; 2937; 3009; 3101; 4519
TspDTI	ATGAANNNNNNNNNN!	4	661; 2119; 3420; 4124
TspDTI	!NNNNNNNNNTTCAT	6	26; 789; 810; 3838; 4294; 4501
TspEI	!AATT	12	18; 1311; 1344; 2111; 2175; 2253; 2279; 2290; 2937; 3009; 3101; 4519
TspGWI	ACGGANNNNNNNNNN!	2	1744; 4236
TspGWI	!NNNNNNNNNTCCGT	0	
TspMI	C!CCGGG	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
TspRI	CASTGNN!	7	1933; 1988; 2207; 3490; 4600; 4871; 4884
TstI	CACNNNNNTCCNNNNNNNNNNNN!	0	
TstI	!NNNNNNNGGANNNNNNNGTG	0	
TstI	GGANNNNNGTGNNNNNNNNNNNN!	0	
TstI	!NNNNNNNNCACNNNNNTCC	0	
Tth111I	GACN!NNGTC	1	3479
Tth111II	CAARCANNNNNNNNNN!	2	1939; 4688
Tth111II	!NNNNNNNNNTGYTTG	3	3796; 4656; 4695
UnbI	!GGNCC	20	82; 275; 759; 1002; 1094; 1115; 1421; 1442; 1514; 1530; 1564; 1602; 1760; 1889; 2467; 3876; 4321; 4367; 4425; 4458
Van91I	CCANNNN!NTGG	0	
Vha464I	C!TTAAG	0	
VneI	G!TGCAC	2	690; 4965
VpaK11AI	!GGWCC	6	1421; 1564; 1602; 1760; 3876; 4321
VpaK11BI	G!GWCC	6	1422; 1565; 1603; 1761; 3877; 4322
VspI	AT!TAAT	1	7
XagI	CCTNN!NNNAGG	0	
XapI	R!AATTY	4	1344; 2175; 2279; 2290
XbaI	T!CTAGA	1	2008
XceI	RCATG!Y	5	642; 2931; 3003; 3766; 5283
XcmI	CCANNNN!NNNTGG	2	1761; 1874
XhoI	C!TCGAG	1	1328
XhoII	R!GATCY	12	585; 1150; 1324; 1996; 2005; 3532; 3778; 4170; 4529; 4541; 4627; 4638
XmaI	C!CCGGG	0	
XmaJI	C!CTAGG	2	3183; 4198
XmiI	GT!MKAC	2	1190; 1355
XmnI	GAANN!NNTTC	0	
XspI	C!TAG	10	592; 1289; 1992; 2009; 2210; 2628; 3184; 4199; 4533; 4786
ZraI	GAC!GTC	4	123; 176; 259; 445
ZrmI	AGT!ACT	0	
Zsp2I	ATGCA!T	3	2933; 3005; 5336