

pmKate2-zyxin vector

Table of restriction sites

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AanI	TTA!TAA	2	3209; 3414
AarI	CACCTGCNNNN!	2	1875; 1980
AarI	!NNNNNNNNGCAGGTG	0	
AasI	GACNNNN!NNGTC	3	3497; 4453; 6242
AatI	AGG!CCT	3	2019; 2796; 4247
AatII	GACGT!C	4	125; 178; 261; 447
AbsI	CC!TCGAGG	0	
AccI	GT!MKAC	1	2947
AccII	CG!CG	18	60; 660; 796; 1831; 3075; 3350; 3726; 3746; 3770; 3801; 4492; 4793; 5231; 5315; 5378; 5447; 5720; 6301
AccIII	T!CCGGA	1	995
Acc16I	TGC!GCA	2	1882; 4528
Acc36I	ACCTGCNNNN!	4	1875; 1980; 4694; 5144
Acc36I	!NNNNNNNNGCAGGT	1	4313
Acc65I	G!GTACC	0	
AccB1I	G!GYRCC	11	465; 779; 906; 1525; 1922; 2070; 2421; 2481; 3579; 4425; 4460
AccB7I	CCANNNN!NTGG	0	
AccBSI	CCG!CTC	2	3850; 5039
AccBSI	GAG!CGG	3	3069; 3686; 5093
AceIII	CAGCTCNNNNNNN!	3	1259; 1899; 3382
AceIII	!NNNNNNNNNNGAGCTG	3	552; 1695; 2367
AciI	C!CGC	49	58; 86; 98; 112; 279; 507; 589; 647; 658; 699; 828; 831; 915; 918; 984; 987; 1029; 1829; 1994; 2028; 2057; 2680; 2818; 2920; 3073; 3741; 3744; 3758; 3848; 4096; 4108; 4117; 4129; 4139; 4150; 4196; 4335; 4398; 4900; 4945; 5011; 5037; 5162; 5165; 5313; 5445; 5752; 5896; 6392
AciI	G!CGG	32	370; 403; 528; 639; 1786; 1975; 2254; 2505; 2515; 2827; 2869; 3069; 3686; 3713; 3801; 3911; 4492; 4556; 4657; 4660; 4940; 4995; 5093; 5231; 5378; 5518; 5761; 6006; 6127; 6146; 6273; 6301
AcII	AA!CGTT	0	
AcIWI	GGATCNNNN!	9	1502; 2359; 4294; 4605; 4851; 5243; 5602; 5700; 5786
AcIWI	!NNNNNGATCC	9	580; 656; 1113; 2346; 2902; 4670; 5214; 5601; 5698
AcoI	Y!GGCCR	9	1165; 1787; 2180; 3025; 3070; 4332; 4506; 4897; 4924
AcsI	R!AATY	4	629; 3240; 3344; 3355
AcuI	CTGAAGNNNNNNNNNNNNNNN!	4	1713; 2877; 4572; 5004
AcuI	!NNNNNNNNNNNNNNCTTCAG	1	5802
AcvI	CAC!GTG	1	2312
AcyI	GR!CGYC	9	122; 175; 258; 444; 1923; 2944; 4426; 5128; 5207
AdeI	CACNNN!GTG	3	1628; 3017; 3542
AfaI	GT!AC	13	219; 244; 299; 332; 383; 540; 1193; 1929; 2133; 2412; 2562; 2814; 4732
AfeI	AGC!GCT	1	596
AfiI	CCNNNNN!NNGG	36	49; 671; 722; 758; 783; 870; 935; 1163; 1206; 1271; 1591; 1610; 1655; 1810; 2063; 2178; 2304; 2478; 2591; 2757; 2823; 3438; 3764; 4156; 4407; 4951; 5232; 5264; 5396; 5431; 5481; 5513; 5866; 6145; 6311; 6329
AfII	C!TTAAG	1	3308
AfIII	A!CRYGT	1	6344
AgeI	A!CCGGT	1	2357
AgsI	TTS!AA	8	1127; 2444; 2894; 3837; 3881; 3891; 4304; 5880
AhdI	GACNNN!NNGTC	1	1085
AhII	A!CTAGT	0	
AjiI	CAC!GTC	0	
AjiI	GAC!GTG	0	

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Ajnl	!CCWGG	32	88; 281; 756; 1044; 1264; 1478; 1487; 1654; 1667; 1676; 1804; 1891; 1954; 2062; 2089; 2177; 2209; 2299; 2542; 2590; 2686; 2701; 2830; 3960; 4015; 4032; 4811; 5390; 5493; 6183; 6196; 6317
AjuI	GAANNNNNNNTTGGNNNNNNNNNN!	0	
AjuI	!NNNNNNCCAANNNNNNNTTC	0	
AjuI	CCAANNNNNNNTTCNNNNNNNNNN!	0	
AjuI	!NNNNNNNGAANNNNNNNTTGG	0	
AleI	CACNN!NNGTG	3	1876; 2043; 2370
AlfI	GCANNNNNTGCNNNNNNNNNN!	2	4000; 4072
AlfI	!NNNNNNNNNGCANNNNNTGC	2	3966; 4038
AloI	GAACNNNNNTCCNNNNNNNNNN!	2	2768; 3508
AloI	!NNNNNNNGGANNNNNNGTTC	0	
AloI	GGANNNNNGTTCNNNNNNNNNN!	0	
AloI	!NNNNNNNGAACNNNNNTCC	2	2736; 3476
AluI	AG!CT	26	566; 618; 624; 1249; 1536; 1573; 1709; 1718; 1730; 1844; 1889; 2381; 2408; 2554; 2861; 3205; 3372; 3629; 3924; 4212; 4532; 4990; 5787; 6044; 6090; 6180
AluBI	AG!CT	26	566; 618; 624; 1249; 1536; 1573; 1709; 1718; 1730; 1844; 1889; 2381; 2408; 2554; 2861; 3205; 3372; 3629; 3924; 4212; 4532; 4990; 5787; 6044; 6090; 6180
AlwI	GGATCNNNN!	9	1502; 2359; 4294; 4605; 4851; 5243; 5602; 5700; 5786
AlwI	!NNNNNGATCC	9	580; 656; 1113; 2346; 2902; 4670; 5214; 5601; 5698
Alw21I	GWGCW!C	8	620; 899; 2148; 2317; 2451; 4539; 4729; 6034
Alw26I	GTCTCN!	3	434; 658; 680
Alw26I	!NNNNNGAGAC	7	2184; 2799; 2988; 3850; 4268; 5287; 5415
Alw44I	G!TGCAC	2	2447; 6030
AlwNI	CAGNNN!CTG	4	1259; 3034; 5527; 5935
Ama87I	C!YCGRG	8	613; 783; 1132; 1390; 1603; 1810; 2138; 2625
Aor13HI	T!CCGGA	1	995
Aor51HI	AGC!GCT	1	596
ApaI	GGGCC!C	4	791; 1399; 1676; 1684
ApaBI	GCANNNNN!TGC	6	895; 1629; 1734; 3994; 4066; 5528
ApaLI	G!TGCAC	2	2447; 6030
ApeKI	G!CWGC	25	1203; 1619; 1715; 1727; 1817; 1841; 1883; 1886; 2290; 2566; 2710; 3008; 3202; 3721; 4386; 4487; 4529; 4570; 4663; 5050; 5503; 5729; 5935; 5938; 6003
ApoI	R!AATY	4	629; 3240; 3344; 3355
ApyPI	ATCGACNNNNNNNNNNNNNNNNNN!	2	1102; 4941
ApyPI	!NNNNNNNNNNNNNNNNNGTCGAT	4	2248; 4735; 5388; 6226
AquII	GCCGNACNNNNNNNNNNNNNNNNNN!	2	1951; 4825
AquII	!NNNNNNNNNNNNNNNNNGTNCGGC	2	691; 2542
AquIII	GAGGAGNNNNNNNNNNNNNNNNNN!	4	988; 1024; 1729; 4254
AquIII	!NNNNNNNNNNNNNNNNNCTCCTC	1	972
AquIV	GRGGAAGNNNNNNNNNNNNNNNNNN!	0	
AquIV	!NNNNNNNNNNNNNNNNNCTCCYC	4	961; 2276; 2603; 4996
ArsI	GACNNNNNTTYGNNNNNNNNNN!	0	
ArsI	!NNNNNCRANNNNNNNGTC	0	
ArsI	CRAANNNNNGTCNNNNNNNNNN!	0	
ArsI	!NNNNNNNGACNNNNNTTYG	0	
AscI	GG!CGCGCC	0	
AseI	AT!TAAT	1	7
Asi256I	G!ATC	29	586; 610; 662; 932; 971; 1076; 1119; 1495; 2352; 2732; 2882; 2908; 3084; 4264; 4268; 4287; 4598; 4676; 4757; 4766; 4844; 5220; 5236; 5595; 5607; 5685; 5693; 5704; 5779
AsiGI	A!CCGGT	1	2357
AsiSI	GCGAT!CGC	0	
AspI	GACN!NNGTC	1	4544
Asp700I	GAANN!NNTTC	4	708; 747; 844; 943
Asp718I	G!GTACC	0	
AspA2I	C!CTAGG	2	4248; 5263
AspEI	GACNN!NNGTC	1	1085
AspLEI	GCG!C	30	597; 796; 798; 956; 1663; 1817; 1833; 1883; 1925; 2055; 3692; 3700; 3726; 3748; 3757; 3770; 3801; 4420; 4428; 4492; 4529; 4795; 5055; 5231; 5317; 5720; 5829; 6003; 6103; 6170

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AspS9I	G!GNCC	29	83; 276; 641; 714; 725; 754; 788; 806; 1011; 1019; 1334; 1396; 1673; 1681; 1808; 1895; 2005; 2087; 2101; 2517; 2760; 2852; 2873; 3533; 4942; 5387; 5433; 5491; 5524
AssI	AGT!ACT	0	
AsuII	TT!CGAA	2	627; 5108
AsuC2I	CC!SGG	15	777; 784; 785; 810; 837; 1133; 1134; 1208; 1811; 1812; 2941; 4430; 4590; 5203; 5967
AsuHPI	GGTGANNNNNNNN!	6	376; 1067; 2384; 2753; 5497; 5613
AsuHPI	!NNNNNNNTCACC	7	1568; 1856; 2016; 2030; 2642; 3543; 4604
AsuNHI	G!CTAGC	1	591
AvaI	C!YCGRG	8	613; 783; 1132; 1390; 1603; 1810; 2138; 2625
AvaII	G!GWCC	4	1334; 2087; 4942; 5387
AviII	TGC!GCA	2	1882; 4528
AvrII	C!CTAGG	2	4248; 5263
AxyI	CC!TNAGG	4	1015; 1330; 3906; 5538
BaeI	ACNNNNGTAYCNNNNNNNNNN!	0	
BaeI	!NNNNNNNGRTACNNNNNGT	0	
BaeI	GRTACNNNNGTNNNNNNNNNNNN!	0	
BaeI	!NNNNNNNNNACNNNNGTAYC	0	
BaeGI	GKGCMI!C	16	791; 1156; 1215; 1399; 1528; 1633; 1676; 1684; 2073; 2424; 2451; 2484; 3061; 4372; 4465; 6034
BalI	TGG!CCA	3	1167; 3027; 4508
BamHI	G!GATCC	1	2351
BanI	G!GYRCC	11	465; 779; 906; 1525; 1922; 2070; 2421; 2481; 3579; 4425; 4460
BanII	GRGCY!C	12	620; 791; 1399; 1487; 1676; 1684; 1984; 2164; 2345; 3617; 4791; 5501
BanIII	AT!CGAT	1	4266
BarI	GAAGNNNNNTACNNNNNNNNNN!	1	2918
BarI	!NNNNNNNGTANNNNNNCTTC	0	
BarI	GTANNNNNNCTTCNNNNNNNNNN!	0	
BarI	!NNNNNNNGAAGNNNNNTAC	1	2886
BasI	CCANNN!NTGG	0	
BauI	C!ACGAG	3	3012; 5144; 6171
BauI	C!TCGTG	2	2862; 5018
BbeI	GGCGC!C	2	1926; 4429
Bbr7I	GAAGACNNNNNN!	4	852; 2673; 2906; 2974
Bbr7I	!NNNNNNNNNNNGTCTTC	0	
BbrPI	CAC!GTG	1	2312
BbsI	GAAGACNN!	4	847; 2668; 2901; 2969
BbsI	!NNNNNNGTCTTC	0	
BbuI	GCATG!C	4	2000; 3996; 4068; 4831
BbvI	GCAGCNNNNNN!	14	1215; 1631; 1727; 1829; 1853; 1895; 2578; 3020; 3214; 4499; 4541; 5062; 5515; 6015
BbvI	!NNNNNNNNNNNGCTGC	8	2277; 2697; 3708; 4373; 4557; 4650; 5716; 5922
Bbv12I	GWGCW!C	8	620; 899; 2148; 2317; 2451; 4539; 4729; 6034
BbvCI	CC!TCAGC	0	
BbvCI	GC!TGAGG	1	2001
BccI	CCATCNNNN!	8	1804; 1992; 2172; 2759; 3556; 4120; 4646; 5148
BccI	!NNNNNGATGG	5	797; 870; 3524; 4304; 4732
BceAI	ACGGCNNNNNNNNNN!	6	2579; 2723; 2774; 2840; 4852; 5339
BceAI	!NNNNNNNNNNNNNGCCGT	5	1809; 1910; 3567; 4385; 5844
BceFI	ACGGCNNNNNNNNNN!	6	2579; 2723; 2774; 2840; 4852; 5339
BceFI	!NNNNNNNNNNNNNGCCGT	5	1810; 1911; 3568; 4386; 5845
BcgI	CGANNNNNNTGCNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNNGCANNNNNNNTCG	0	
BcgI	CGANNNNNNTGCNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNNCGANNNNNNTGC	0	
BciVI	GTATCCNNNNNN!	3	3855; 4645; 6146
BciVI	!NNNNNGGATAC	0	
BclI	T!GATCA	0	
BcnI	CC!SGG	15	777; 784; 785; 810; 837; 1133; 1134; 1208; 1811; 1812; 2941; 4430; 4590; 5203; 5967
BcuI	A!CTAGT	0	
BdaI	TGANNNNNNTCANNNNNNNNNN!	1	6279
BdaI	!NNNNNNNNNNNTGANNNNNNTCA	1	6245

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BfaI	C!TAG	11	592; 1836; 2338; 3046; 3081; 3275; 3693; 4249; 5264; 5598; 5851
BfiI	ACTGGGNNNNN!	2	3063; 4375
BfiI	!NNNNCCCAGT	2	289; 4127
BfmI	C!TRYAG	5	1201; 1907; 3761; 5888; 6079
BfoI	RGCGC!Y	6	598; 1926; 3693; 3701; 4429; 6104
BfrI	C!TTAAG	1	3308
BfuI	GTATCCNNNNNN!	3	3855; 4645; 6146
BfuI	!NNNNNGGATAC	0	
BfuAI	ACCTGCNNNN!	4	1875; 1980; 4694; 5144
BfuAI	!NNNNNNNNNGCAGGT	1	4313
BfuCI	!GATC	29	585; 609; 661; 931; 970; 1075; 1118; 1494; 2351; 2731; 2881; 2907; 3083; 4263; 4267; 4286; 4597; 4675; 4756; 4765; 4843; 5219; 5235; 5594; 5606; 5684; 5692; 5703; 5778
BglI	GCCNNNN!NGGC	8	90; 212; 283; 814; 1394; 2836; 2850; 4201
BglII	A!GATCT	2	609; 970
BisI	GC!NGC	49	640; 831; 918; 987; 1204; 1620; 1716; 1728; 1787; 1818; 1842; 1884; 1887; 2291; 2516; 2567; 2711; 2828; 3009; 3070; 3073; 3203; 3722; 3744; 3758; 4196; 4335; 4387; 4398; 4488; 4493; 4530; 4571; 4658; 4661; 4664; 4900; 4996; 5037; 5051; 5165; 5504; 5519; 5730; 5936; 5939; 6004; 6147; 6302
BlnI	C!CTAGG	2	4248; 5263
BlpI	GC!TNAGC	0	
BlsI	GCN!GC	49	641; 832; 919; 988; 1205; 1621; 1717; 1729; 1788; 1819; 1843; 1885; 1888; 2292; 2517; 2568; 2712; 2829; 3010; 3071; 3074; 3204; 3723; 3745; 3759; 4197; 4336; 4388; 4399; 4489; 4494; 4531; 4572; 4659; 4662; 4665; 4901; 4997; 5038; 5052; 5166; 5505; 5520; 5731; 5937; 5940; 6005; 6148; 6303
BmcAI	AGT!ACT	0	
Bme18I	G!GWCC	4	1334; 2087; 4942; 5387
Bme1390I	CC!NGG	47	90; 283; 758; 777; 784; 785; 810; 837; 1046; 1133; 1134; 1208; 1266; 1480; 1489; 1656; 1669; 1678; 1806; 1811; 1812; 1893; 1956; 2064; 2091; 2179; 2211; 2301; 2544; 2592; 2688; 2703; 2832; 2941; 3962; 4017; 4034; 4430; 4590; 4813; 5203; 5392; 5495; 5967; 6185; 6198; 6319
BmeRI	GACNNN!NNGTC	1	1085
BmeT110I	C!YCGRG	8	613; 783; 1132; 1390; 1603; 1810; 2138; 2625
BmgBI	CAC!GTC	0	
BmgBI	GAC!GTG	0	
BmgT120I	GG!NCC	29	84; 277; 642; 715; 726; 755; 789; 807; 1012; 1020; 1335; 1397; 1674; 1682; 1809; 1896; 2006; 2088; 2102; 2518; 2761; 2853; 2874; 3534; 4943; 5388; 5434; 5492; 5525
BmiI	GGN!NCC	39	467; 643; 682; 727; 781; 788; 789; 908; 1021; 1270; 1276; 1398; 1417; 1484; 1527; 1556; 1675; 1683; 1924; 1981; 2072; 2103; 2353; 2423; 2483; 2874; 3581; 3602; 3614; 3805; 3966; 4038; 4427; 4462; 5310; 5389; 5434; 6277; 6316
BmrI	ACTGGGNNNNN!	2	3063; 4375
BmrI	!NNNNCCCAGT	2	289; 4127
BmrFI	CC!NGG	47	90; 283; 758; 777; 784; 785; 810; 837; 1046; 1133; 1134; 1208; 1266; 1480; 1489; 1656; 1669; 1678; 1806; 1811; 1812; 1893; 1956; 2064; 2091; 2179; 2211; 2301; 2544; 2592; 2688; 2703; 2832; 2941; 3962; 4017; 4034; 4430; 4590; 4813; 5203; 5392; 5495; 5967; 6185; 6198; 6319
BmsI	GCATCNNNNN!	8	1757; 2605; 3242; 4005; 4077; 4725; 4789; 5064
BmsI	!NNNNNNNNNGATGC	9	357; 875; 1782; 2758; 2926; 4384; 4639; 4855; 6247
BmtI	GCTAG!C	1	595
BmuI	ACTGGGNNNNN!	2	3063; 4375
BmuI	!NNNNCCCAGT	2	289; 4127
BoxI	GACNN!NNGTC	1	3000
BpiI	GAAGACNN!	4	847; 2668; 2901; 2969
BpiI	!NNNNNNGTCTTC	0	
BpII	GAGNNNNNCTCNNNNNNNNNNNN!	4	1097; 2090; 4215; 5114
BpII	!NNNNNNNNNGAGNNNNNNCTC	4	1065; 2058; 4183; 5082
BpmI	CTGGAGNNNNNNNNNNNNNNNNNN!	7	981; 1501; 1731; 1935; 1977; 2085; 5266
BpmI	!NNNNNNNNNNNNNNNNCTCCAG	4	1402; 1875; 2685; 5209
Bpu10I	CC!TNAGC	1	2173
Bpu10I	GC!TNAGG	1	2001
Bpu14I	TT!CGAA	2	627; 5108

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Bpu1102I	GC!TNAGC	0	
BpuAI	GAAGACNN!	4	847; 2668; 2901; 2969
BpuAI	!NNNNNNGTCTTC	0	
BpuEI	CTTGAGNNNNNNNNNNNNNNNN!	2	5720; 6259
BpuEI	!NNNNNNNNNNNNNNNNCTCAAG	4	604; 2916; 4802; 5961
BpuMI	CC!SGG	15	777; 784; 785; 810; 837; 1133; 1134; 1208; 1811; 1812; 2941; 4430; 4590; 5203; 5967
BpvUI	CGAT!CG	1	934
BsaI	GGTCTCN!	1	680
BsaI	!NNNNNGAGACC	3	2799; 2988; 5415
Bsa29I	AT!CGAT	1	4266
BsaAI	YAC!GTR	4	340; 2312; 3542; 4730
BsaBI	GATNN!NNATC	2	3088; 4285
BsaHI	GR!CGYC	9	122; 175; 258; 444; 1923; 2944; 4426; 5128; 5207
BsaJI	C!CNNGG	48	360; 634; 756; 757; 775; 783; 784; 835; 1044; 1045; 1132; 1207; 1230; 1264; 1391; 1487; 1667; 1676; 1677; 1804; 1810; 1892; 1954; 2008; 2062; 2139; 2209; 2299; 2368; 2455; 2590; 2591; 2626; 2686; 3960; 4032; 4155; 4190; 4199; 4248; 4589; 4858; 5263; 5390; 5391; 5493; 5494; 6184
BsaMI	GAATGCN!	1	3177
BsaMI	G!CATTC	1	3270
BsaWI	W!CCGGW	7	600; 995; 2357; 4457; 5301; 5991; 6138
BsaXI	ACNNNNNCTCCNNNNNNNNNN!	1	3506
BsaXI	!NNNNNNNGGAGNNNNNNGT	0	
BsaXI	GGAGNNNNNNGTNNNNNNNNNN!	0	
BsaXI	!NNNNNNNNNACNNNNNCTCC	1	3476
BsbI	CAACACNNNNNNNNNNNNNNNNNN!	0	
BsbI	!NNNNNNNNNNNNNNNNNNGTGTG	2	3427; 5334
Bsc4I	CCNNNNN!NNGG	36	49; 671; 722; 758; 783; 870; 935; 1163; 1206; 1271; 1591; 1610; 1655; 1810; 2063; 2178; 2304; 2478; 2591; 2757; 2823; 3438; 3764; 4156; 4407; 4951; 5232; 5264; 5396; 5431; 5481; 5513; 5866; 6145; 6311; 6329
BscAI	GCATCNNNN!	8	1756; 2604; 3241; 4004; 4076; 4724; 4788; 5063
BscAI	!NNNNNNGATGC	9	360; 878; 1785; 2761; 2929; 4387; 4642; 4858; 6250
Bse1I	ACTGGN!	5	2971; 3058; 4370; 4571; 5817
Bse1I	C!CAGT	10	295; 1161; 1189; 1349; 1437; 1874; 3455; 4133; 5929; 5942
Bse8I	GATNN!NNATC	2	3088; 4285
Bse21I	CC!TNAGG	4	1015; 1330; 3906; 5538
Bse118I	R!CCGGY	7	1637; 2098; 2357; 3643; 4745; 4926; 5209
BseAI	T!CCGGA	1	995
BseBI	CC!WGG	32	90; 283; 758; 1046; 1266; 1480; 1489; 1656; 1669; 1678; 1806; 1893; 1956; 2064; 2091; 2179; 2211; 2301; 2544; 2592; 2688; 2703; 2832; 3962; 4017; 4034; 4813; 5392; 5495; 6185; 6198; 6319
BseCI	AT!CGAT	1	4266
BseDI	C!CNNGG	48	360; 634; 756; 757; 775; 783; 784; 835; 1044; 1045; 1132; 1207; 1230; 1264; 1391; 1487; 1667; 1676; 1677; 1804; 1810; 1892; 1954; 2008; 2062; 2139; 2209; 2299; 2368; 2455; 2590; 2591; 2626; 2686; 3960; 4032; 4155; 4190; 4199; 4248; 4589; 4858; 5263; 5390; 5391; 5493; 5494; 6184
Bse3DI	GCAATGNN!	1	4659
Bse3DI	!CATTGC	0	
BseGI	GGATGNN!	6	881; 1106; 4286; 4743; 4768; 5222
BseGI	!CATCC	6	1748; 2451; 2539; 2596; 2751; 4112
BseJI	GATNN!NNATC	2	3088; 4285
BseLI	CCNNNNN!NNGG	36	49; 671; 722; 758; 783; 870; 935; 1163; 1206; 1271; 1591; 1610; 1655; 1810; 2063; 2178; 2304; 2478; 2591; 2757; 2823; 3438; 3764; 4156; 4407; 4951; 5232; 5264; 5396; 5431; 5481; 5513; 5866; 6145; 6311; 6329
BseMI	GCAATGNN!	1	4659
BseMI	!CATTGC	0	
BseMII	CTCAGNNNNNNNNNN!	6	620; 1296; 1344; 1656; 1767; 5552
BseMII	!NNNNNNNNNCTGAG	9	1006; 1992; 2149; 2164; 3897; 4199; 5080; 5652; 6061
BseNI	ACTGGN!	5	2971; 3058; 4370; 4571; 5817
BseNI	C!CAGT	10	295; 1161; 1189; 1349; 1437; 1874; 3455; 4133; 5929; 5942
BsePI	G!CGCGC	1	794
BseRI	GAGGAGNNNNNNNNNN!	4	978; 1014; 1719; 4244

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BseRI	!NNNNNNNNCTCCTC	1	982
BseSI	GKGCMI C	16	791; 1156; 1215; 1399; 1528; 1633; 1676; 1684; 2073; 2424; 2451; 2484; 3061; 4372; 4465; 6034
BseXI	GCAGC NNNNNNNN!	14	1215; 1631; 1727; 1829; 1853; 1895; 2578; 3020; 3214; 4499; 4541; 5062; 5515; 6015
BseXI	!NNNNNNNNNNNGCTGC	8	2277; 2697; 3708; 4373; 4557; 4650; 5716; 5922
BseX3I	C!GGCCG	3	1787; 3070; 4332
BseYI	C!CCAGC	13	790; 1252; 1312; 1318; 1360; 1384; 1400; 1569; 1585; 1723; 3969; 4041; 6040
BseYI	G!CTGGG	3	870; 2788; 4930
BsgI	GTGCAGNNNNNNNNNNNNNNN!	1	1629
BsgI	!NNNNNNNNNNNNNNCTGCAC	0	
Bsh1236I	CG!CG	18	60; 660; 796; 1831; 3075; 3350; 3726; 3746; 3770; 3801; 4492; 4793; 5231; 5315; 5378; 5447; 5720; 6301
Bsh1285I	CGRY!CG	7	934; 1790; 2362; 2509; 3073; 4335; 6010
BshFI	GG!CC	48	84; 277; 642; 715; 726; 755; 789; 808; 1013; 1020; 1167; 1397; 1674; 1682; 1789; 1809; 1897; 2007; 2019; 2094; 2102; 2182; 2518; 2761; 2796; 2830; 2853; 2875; 2985; 3027; 3072; 3392; 3534; 4189; 4195; 4204; 4247; 4334; 4508; 4899; 4926; 5435; 5492; 5525; 5870; 6304; 6322; 6333
BshNI	G!GYRCC	11	465; 779; 906; 1525; 1922; 2070; 2421; 2481; 3579; 4425; 4460
BshTI	A!CCGGT	1	2357
BshVI	AT!CGAT	1	4266
BsiEI	CGRY!CG	7	934; 1790; 2362; 2509; 3073; 4335; 6010
BsiHKAI	GWGCW!C	8	620; 899; 2148; 2317; 2451; 4539; 4729; 6034
BsiHKCI	C!YCGRG	8	613; 783; 1132; 1390; 1603; 1810; 2138; 2625
BsiSI	C!CGG	34	601; 684; 752; 777; 784; 809; 837; 996; 1133; 1207; 1272; 1278; 1413; 1638; 1811; 2099; 2358; 2941; 3644; 4331; 4408; 4430; 4458; 4589; 4679; 4746; 4927; 5202; 5210; 5302; 5776; 5966; 5992; 6139
BsiWI	C!GTACG	0	
BsII	CCNNNNN!NNGG	36	49; 671; 722; 758; 783; 870; 935; 1163; 1206; 1271; 1591; 1610; 1655; 1810; 2063; 2178; 2304; 2478; 2591; 2757; 2823; 3438; 3764; 4156; 4407; 4951; 5232; 5264; 5396; 5431; 5481; 5513; 5866; 6145; 6311; 6329
BsIFI	GGGACNNNNNNNNNN!	7	175; 326; 494; 774; 4577; 5109; 5218
BsIFI	!NNNNNNNNNNNNNGTCCC	7	1223; 1337; 2097; 3942; 4014; 4078; 5373
BsmI	GAATGCN!	1	3177
BsmI	G!CATTC	1	3270
BsmAI	GTCTCN!	3	434; 658; 680
BsmAI	!NNNNNGAGAC	7	2184; 2799; 2988; 3850; 4268; 5287; 5415
BsmBI	CGTCTCN!	1	658
BsmBI	!NNNNNGAGACG	0	
BsmFI	GGGACNNNNNNNNNN!	7	175; 326; 494; 774; 4577; 5109; 5218
BsmFI	!NNNNNNNNNNNNNGTCCC	7	1223; 1337; 2097; 3942; 4014; 4078; 5373
BsnI	GG!CC	48	84; 277; 642; 715; 726; 755; 789; 808; 1013; 1020; 1167; 1397; 1674; 1682; 1789; 1809; 1897; 2007; 2019; 2094; 2102; 2182; 2518; 2761; 2796; 2830; 2853; 2875; 2985; 3027; 3072; 3392; 3534; 4189; 4195; 4204; 4247; 4334; 4508; 4899; 4926; 5435; 5492; 5525; 5870; 6304; 6322; 6333
Bso31I	GGTCTCN!	1	680
Bso31I	!NNNNNGAGACC	3	2799; 2988; 5415
BsoBI	C!YCGRG	8	613; 783; 1132; 1390; 1603; 1810; 2138; 2625
Bsp13I	T!CCGGA	1	995
Bsp19I	C!CATGG	5	360; 634; 2368; 4155; 4858
Bsp24I	GACNNNNNNNTGGNNNNNNNNNNNN!	2	289; 5229
Bsp24I	!NNNNNNNCCANNNNNNNGTC	4	1335; 1460; 5650; 5828
Bsp24I	CCANNNNNNNGTCNNNNNNNNNNNN!	4	1367; 1492; 5682; 5860
Bsp24I	!NNNNNNNNGACNNNNNNNTGG	2	257; 5197
Bsp68I	TCG!CGA	0	
Bsp119I	TT!CGAA	2	627; 5108
Bsp120I	G!GGCCC	4	787; 1395; 1672; 1680
Bsp143I	!GATC	29	585; 609; 661; 931; 970; 1075; 1118; 1494; 2351; 2731; 2881; 2907; 3083; 4263; 4267; 4286; 4597; 4675; 4756; 4765; 4843; 5219; 5235; 5594; 5606; 5684; 5692; 5703; 5778

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Bsp1286I	GDGCH!C	29	620; 791; 899; 1156; 1215; 1399; 1487; 1528; 1633; 1676; 1684; 1984; 2073; 2148; 2164; 2317; 2345; 2424; 2451; 2484; 3061; 3617; 4372; 4465; 4539; 4729; 4791; 5501; 6034
Bsp1407I	T!GTACA	1	2410
Bsp1720I	GC!TNAGC	0	
BspACI	C!CGC	49	58; 86; 98; 112; 279; 507; 589; 647; 658; 699; 828; 831; 915; 918; 984; 987; 1029; 1829; 1994; 2028; 2057; 2680; 2818; 2920; 3073; 3741; 3744; 3758; 3848; 4096; 4108; 4117; 4129; 4139; 4150; 4196; 4335; 4398; 4900; 4945; 5011; 5037; 5162; 5165; 5313; 5445; 5752; 5896; 6392
BspACI	G!CGG	32	370; 403; 528; 639; 1786; 1975; 2254; 2505; 2515; 2827; 2869; 3069; 3686; 3713; 3801; 3911; 4492; 4556; 4657; 4660; 4940; 4995; 5093; 5231; 5378; 5518; 5761; 6006; 6127; 6146; 6273; 6301
BspCNI	CTCAGNNNNNNNN!	6	619; 1295; 1343; 1655; 1766; 5551
BspCNI	!NNNNNNNCTGAG	9	1007; 1993; 2150; 2165; 3898; 4200; 5081; 5653; 6062
BspDI	AT!CGAT	1	4266
BspD6I	GACTCNNNN!	9	418; 612; 1088; 1450; 1696; 3085; 3499; 5105; 5982
BspD6I	!NNNNNNGAGTC	3	2640; 3462; 3894
BspEI	T!CCGGA	1	995
BspFNI	CG!CG	18	60; 660; 796; 1831; 3075; 3350; 3726; 3746; 3770; 3801; 4492; 4793; 5231; 5315; 5378; 5447; 5720; 6301
BspHI	T!CATGA	2	3852; 5624
BspLI	GGN!NCC	39	467; 643; 682; 727; 781; 788; 789; 908; 1021; 1270; 1276; 1398; 1417; 1484; 1527; 1556; 1675; 1683; 1924; 1981; 2072; 2103; 2353; 2423; 2483; 2874; 3581; 3602; 3614; 3805; 3966; 4038; 4427; 4462; 5310; 5389; 5434; 6277; 6316
BspMI	ACCTGCNNNN!	4	1875; 1980; 4694; 5144
BspMI	!NNNNNNNNGCAGGT	1	4313
BspOI	GCTAG!C	1	595
BspPI	GGATCNNNN!	9	1502; 2359; 4294; 4605; 4851; 5243; 5602; 5700; 5786
BspPI	!NNNNNGATCC	9	580; 656; 1113; 2346; 2902; 4670; 5214; 5601; 5698
BspQI	GCTCTTCN!	0	
BspQI	!NNNNGAAGAGC	2	4770; 4980
BspTI	C!TTAAG	1	3308
BspT104I	TT!CGAA	2	627; 5108
BspT107I	G!GYRCC	11	465; 779; 906; 1525; 1922; 2070; 2421; 2481; 3579; 4425; 4460
BspTNI	GGTCTCN!	1	680
BspTNI	!NNNNNGAGACC	3	2799; 2988; 5415
BsrI	ACTGGN!	5	2971; 3058; 4370; 4571; 5817
BsrI	C!CAGT	10	295; 1161; 1189; 1349; 1437; 1874; 3455; 4133; 5929; 5942
BsrBI	CCG!CTC	2	3850; 5039
BsrBI	GAG!CGG	3	3069; 3686; 5093
BsrDI	GCAATGNN!	1	4659
BsrDI	!CATTGC	0	
BsrFI	R!CCGGY	7	1637; 2098; 2357; 3643; 4745; 4926; 5209
BsrGI	T!GTACA	1	2410
BsrSI	ACTGGN!	5	2971; 3058; 4370; 4571; 5817
BsrSI	C!CAGT	10	295; 1161; 1189; 1349; 1437; 1874; 3455; 4133; 5929; 5942
BssAI	R!CCGGY	7	1637; 2098; 2357; 3643; 4745; 4926; 5209
BssECI	C!CNNGG	48	360; 634; 756; 757; 775; 783; 784; 835; 1044; 1045; 1132; 1207; 1230; 1264; 1391; 1487; 1667; 1676; 1677; 1804; 1810; 1892; 1954; 2008; 2062; 2139; 2209; 2299; 2368; 2455; 2590; 2591; 2626; 2686; 3960; 4032; 4155; 4190; 4199; 4248; 4589; 4858; 5263; 5390; 5391; 5493; 5494; 6184
BssHII	G!CGCGC	1	794
BssKI	!CCNGG	47	88; 281; 756; 775; 782; 783; 808; 835; 1044; 1131; 1132; 1206; 1264; 1478; 1487; 1654; 1667; 1676; 1804; 1809; 1810; 1891; 1954; 2062; 2089; 2177; 2209; 2299; 2542; 2590; 2686; 2701; 2830; 2939; 3960; 4015; 4032; 4428; 4588; 4811; 5201; 5390; 5493; 5965; 6183; 6196; 6317
BssMI	!GATC	29	585; 609; 661; 931; 970; 1075; 1118; 1494; 2351; 2731; 2881; 2907; 3083; 4263; 4267; 4286; 4597; 4675; 4756; 4765; 4843; 5219; 5235; 5594; 5606; 5684; 5692; 5703; 5778
BssNI	GR!CGYC	9	122; 175; 258; 444; 1923; 2944; 4426; 5128; 5207
BssNAI	GTA!TAC	0	
BssSI	C!ACGAG	3	3012; 5144; 6171
BssSI	C!TCGTG	2	2862; 5018

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BssT1I	C!CWWGG	8	360; 634; 1230; 2368; 4155; 4248; 4858; 5263
Bst6I	CTCTTCN!	0	
Bst6I	!NNNNGAAGAG	3	3893; 4770; 4980
Bst98I	C!TTAAG	1	3308
Bst1107I	GTA!TAC	0	
BstACI	GR!CGYC	9	122; 175; 258; 444; 1923; 2944; 4426; 5128; 5207
BstAFI	C!TTAAG	1	3308
BstAPI	GCANNNN!NTGC	6	894; 1628; 1733; 3993; 4065; 5527
BstAUI	T!GTACA	1	2410
BstBI	TT!CGAA	2	627; 5108
Bst2BI	C!ACGAG	3	3012; 5144; 6171
Bst2BI	C!TCGTG	2	2862; 5018
BstBAI	YAC!GTR	4	340; 2312; 3542; 4730
Bst4CI	ACN!GT	19	76; 198; 269; 543; 581; 1297; 1911; 2109; 2195; 2307; 2426; 3517; 4806; 4922; 5030; 5353; 5844; 6314; 6385
BstC8I	GCN!NGC	40	86; 279; 593; 768; 796; 1201; 1547; 1822; 1859; 1899; 1998; 2057; 2379; 2469; 2673; 3645; 3688; 3702; 3975; 3994; 4047; 4066; 4320; 4506; 4725; 4791; 4797; 4825; 4829; 4870; 4874; 4928; 5211; 5398; 5445; 5501; 5523; 5734; 6294; 6331
BstDEI	C!TNAG	18	606; 1015; 1282; 1330; 1426; 1447; 1642; 1753; 2001; 2158; 2173; 2923; 3906; 4208; 5089; 5538; 5661; 6070
BstDSI	C!CRYGG	6	360; 634; 2008; 2368; 4155; 4858
BstEII	G!GTNACC	0	
BstENI	CCTNN!NNNAGG	0	
BstF5I	GGATGNN!	6	881; 1106; 4286; 4743; 4768; 5222
BstF5I	!CATCC	6	1748; 2451; 2539; 2596; 2751; 4112
BstFNI	CG!CG	18	60; 660; 796; 1831; 3075; 3350; 3726; 3746; 3770; 3801; 4492; 4793; 5231; 5315; 5378; 5447; 5720; 6301
BstH2I	RGCGC!Y	6	598; 1926; 3693; 3701; 4429; 6104
BstHHI	GCG!C	30	597; 796; 798; 956; 1663; 1817; 1833; 1883; 1925; 2055; 3692; 3700; 3726; 3748; 3757; 3770; 3801; 4420; 4428; 4492; 4529; 4795; 5055; 5231; 5317; 5720; 5829; 6003; 6103; 6170
BstKTI	GAT!C	29	588; 612; 664; 934; 973; 1078; 1121; 1497; 2354; 2734; 2884; 2910; 3086; 4266; 4270; 4289; 4600; 4678; 4759; 4768; 4846; 5222; 5238; 5597; 5609; 5687; 5695; 5706; 5781
BstMAI	GTCTCN!	3	434; 658; 680
BstMAI	!NNNNNGAGAC	7	2184; 2799; 2988; 3850; 4268; 5287; 5415
BstMBI	!GATC	29	585; 609; 661; 931; 970; 1075; 1118; 1494; 2351; 2731; 2881; 2907; 3083; 4263; 4267; 4286; 4597; 4675; 4756; 4765; 4843; 5219; 5235; 5594; 5606; 5684; 5692; 5703; 5778
BstMCI	CGRY!CG	7	934; 1790; 2362; 2509; 3073; 4335; 6010
BstMWI	GCNNNNN!NNGC	43	90; 212; 244; 283; 376; 400; 693; 786; 814; 894; 1394; 1542; 1607; 1628; 1715; 1733; 1792; 1821; 1867; 2152; 2168; 2405; 2836; 2850; 3653; 3683; 3710; 3752; 3993; 4065; 4116; 4195; 4417; 4501; 4524; 4663; 4786; 4869; 5136; 5323; 5527; 5726; 6298
BstNI	CC!WGG	32	90; 283; 758; 1046; 1266; 1480; 1489; 1656; 1669; 1678; 1806; 1893; 1956; 2064; 2091; 2179; 2211; 2301; 2544; 2592; 2688; 2703; 2832; 3962; 4017; 4034; 4813; 5392; 5495; 6185; 6198; 6319
BstNSI	RCATG!Y	6	2000; 2399; 3996; 4068; 4831; 6348
BstOI	CC!WGG	32	90; 283; 758; 1046; 1266; 1480; 1489; 1656; 1669; 1678; 1806; 1893; 1956; 2064; 2091; 2179; 2211; 2301; 2544; 2592; 2688; 2703; 2832; 3962; 4017; 4034; 4813; 5392; 5495; 6185; 6198; 6319
BstPI	G!GTNACC	0	
BstPAI	GACNN!NNGTC	1	3000
BstSCI	!CCNGG	47	88; 281; 756; 775; 782; 783; 808; 835; 1044; 1131; 1132; 1206; 1264; 1478; 1487; 1654; 1667; 1676; 1804; 1809; 1810; 1891; 1954; 2062; 2089; 2177; 2209; 2299; 2542; 2590; 2686; 2701; 2830; 2939; 3960; 4015; 4032; 4428; 4588; 4811; 5201; 5390; 5493; 5965; 6183; 6196; 6317
BstSFI	C!TRYAG	5	1201; 1907; 3761; 5888; 6079
BstSLI	GKGCMI!C	16	791; 1156; 1215; 1399; 1528; 1633; 1676; 1684; 2073; 2424; 2451; 2484; 3061; 4372; 4465; 6034
BstSNI	TAC!GTA	1	340
BstUI	CG!CG	18	60; 660; 796; 1831; 3075; 3350; 3726; 3746; 3770; 3801; 4492; 4793; 5231; 5315; 5378; 5447; 5720; 6301

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Bst2UI	CC!WGG	32	90; 283; 758; 1046; 1266; 1480; 1489; 1656; 1669; 1678; 1806; 1893; 1956; 2064; 2091; 2179; 2211; 2301; 2544; 2592; 2688; 2703; 2832; 3962; 4017; 4034; 4813; 5392; 5495; 6185; 6198; 6319
BstV1I	GCAGCNNNNNNNN!	14	1215; 1631; 1727; 1829; 1853; 1895; 2578; 3020; 3214; 4499; 4541; 5062; 5515; 6015
BstV1I	!NNNNNNNNNNNGCTGC	8	2277; 2697; 3708; 4373; 4557; 4650; 5716; 5922
BstV2I	GAAGACNN!	4	847; 2668; 2901; 2969
BstV2I	!NNNNNNGTCTTC	0	
BstXI	CCANNNNN!NTGG	0	
BstX2I	R!GATCY	13	585; 609; 970; 1494; 2351; 2907; 4597; 4843; 5235; 5594; 5606; 5692; 5703
BstYI	R!GATCY	13	585; 609; 970; 1494; 2351; 2907; 4597; 4843; 5235; 5594; 5606; 5692; 5703
BstZI	C!GGCCG	3	1787; 3070; 4332
BstZ17I	GTA!TAC	0	
BsuI	GTATCCNNNNNN!	3	3855; 4645; 6146
BsuI	!NNNNNNGGATAC	0	
Bsu15I	AT!CGAT	1	4266
Bsu36I	CC!TNAGG	4	1015; 1330; 3906; 5538
BsuRI	GG!CC	48	84; 277; 642; 715; 726; 755; 789; 808; 1013; 1020; 1167; 1397; 1674; 1682; 1789; 1809; 1897; 2007; 2019; 2094; 2102; 2182; 2518; 2761; 2796; 2830; 2853; 2875; 2985; 3027; 3072; 3392; 3534; 4189; 4195; 4204; 4247; 4334; 4508; 4899; 4926; 5435; 5492; 5525; 5870; 6304; 6322; 6333
BsuTUI	AT!CGAT	1	4266
BtgI	C!CRYGG	6	360; 634; 2008; 2368; 4155; 4858
BtgZI	GCGATGNNNNNNNNNN!	2	3543; 4878
BtgZI	!NNNNNNNNNNNNNNNNCATCGC	4	334; 1838; 4697; 5041
BthCI	GCNG!C	49	642; 833; 920; 989; 1206; 1622; 1718; 1730; 1789; 1820; 1844; 1886; 1889; 2293; 2518; 2569; 2713; 2830; 3011; 3072; 3075; 3205; 3724; 3746; 3760; 4198; 4337; 4389; 4400; 4490; 4495; 4532; 4573; 4660; 4663; 4666; 4902; 4998; 5039; 5053; 5167; 5506; 5521; 5732; 5938; 5941; 6006; 6149; 6304
BtrI	CAC!GTC	0	
BtrI	GAC!GTG	0	
BtsI	GCAGTGNN!	0	
BtsI	!CACTGC	4	1092; 2030; 2332; 3265
BtsCI	GGATGNN!	6	881; 1106; 4286; 4743; 4768; 5222
BtsCI	!CATCC	6	1748; 2451; 2539; 2596; 2751; 4112
BtuMI	TCG!CGA	0	
BveI	ACCTGCNNNN!	4	1875; 1980; 4694; 5144
BveI	!NNNNNNNNNGCAGGT	1	4313
Cac8I	GCN!NGC	40	86; 279; 593; 768; 796; 1201; 1547; 1822; 1859; 1899; 1998; 2057; 2379; 2469; 2673; 3645; 3688; 3702; 3975; 3994; 4047; 4066; 4320; 4506; 4725; 4791; 4797; 4825; 4829; 4874; 4928; 5211; 5398; 5445; 5501; 5523; 5734; 6294; 6331
CaiI	CAGNNN!CTG	4	1259; 3034; 5527; 5935
CciI	T!CATGA	2	3852; 5624
CciNI	GC!GGCCGC	1	3070
CdiI	CATC!G	7	352; 1856; 2084; 4715; 4720; 4918; 5059
CdiI	C!GATG	4	884; 1791; 3529; 4864
CdpI	GCGGAGNNNNNNNNNNNNNNNNNNNN!	1	6298
CdpI	!NNNNNNNNNNNNNNNNNNNNCTCCGC	3	486; 4087; 4129
CelII	GC!TNAGC	0	
CfoI	GCG!C	30	597; 796; 798; 956; 1663; 1817; 1833; 1883; 1925; 2055; 3692; 3700; 3726; 3748; 3757; 3770; 3801; 4420; 4428; 4492; 4529; 4795; 5055; 5231; 5317; 5720; 5829; 6003; 6103; 6170
CfrI	Y!GGCCR	9	1165; 1787; 2180; 3025; 3070; 4332; 4506; 4897; 4924
Cfr9I	C!CCGGG	3	783; 1132; 1810
Cfr10I	R!CCGGY	7	1637; 2098; 2357; 3643; 4745; 4926; 5209
Cfr13I	G!GNCC	29	83; 276; 641; 714; 725; 754; 788; 806; 1011; 1019; 1334; 1396; 1673; 1681; 1808; 1895; 2005; 2087; 2101; 2517; 2760; 2852; 2873; 3533; 4942; 5387; 5433; 5491; 5524
Cfr42I	CCGC!GG	0	
Chai	GATC!	29	589; 613; 665; 935; 974; 1079; 1122; 1498; 2355; 2735; 2885; 2911; 3087; 4267; 4271; 4290; 4601; 4679; 4760; 4769; 4847; 5223; 5239; 5598; 5610; 5688; 5696; 5707; 5782

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
CjeI	CCANNNNNNGTNNNNNNNNNNNNNN!	11	1208; 1314; 1368; 1493; 2148; 2250; 2463; 4243; 5683; 5783; 5861
CjeI	!NNNNNNNNNACNNNNNTGG	7	64; 257; 3910; 4005; 5197; 5747; 6302
CjeI	ACNNNNNTGGNNNNNNNNNNNNNN!	7	98; 291; 3944; 4039; 5231; 5781; 6336
CjeI	!NNNNNNNNCCANNNNNNGT	11	1174; 1280; 1334; 1459; 2114; 2216; 2429; 4209; 5649; 5749; 5827
CjePI	CCANNNNNNTCNNNNNNNNNNNNNN!	7	761; 1136; 1368; 1493; 1680; 5683; 5861
CjePI	!NNNNNNNNGANNNNNNNTGG	4	257; 2833; 5197; 5796
CjePI	GANNNNNNNTGGNNNNNNNNNNNN!	4	290; 2866; 5230; 5829
CjePI	!NNNNNNNNCCANNNNNNTC	7	728; 1103; 1335; 1460; 1647; 5650; 5828
ClaI	AT!CGAT	1	4266
CpoI	CG!GWCCG	1	4942
CseI	GACGCNNNNN!	3	526; 5136; 5215
CseI	!NNNNNNNNNNGCGTC	4	2933; 3759; 5654; 6232
CsiI	A!CCWGGT	2	1654; 4015
CspI	CG!GWCCG	1	4942
Csp6I	G!TAC	13	218; 243; 298; 331; 382; 539; 1192; 1928; 2132; 2411; 2561; 2813; 4731
Csp45I	TT!CGAA	2	627; 5108
CspAI	A!CCGGT	1	2357
CspCI	CAANNNNGTGGNNNNNNNNNNNN!	1	411
CspCI	!NNNNNNNNNCCACNNNNNTTG	0	
CspCI	CCACNNNNNTGNNNNNNNNNNNN!	0	
CspCI	!NNNNNNNNNNCAANNNNGTGG	1	376
CstMI	AAGGAGNNNNNNNNNNNNNNNNNN!	5	1720; 2413; 3004; 3706; 5315
CstMI	!NNNNNNNNNNNNNNNNNCTCCTT	2	1209; 2056
CviAII	C!ATG	31	301; 361; 635; 1106; 1302; 1344; 1742; 1997; 2168; 2228; 2369; 2396; 2402; 2414; 2492; 2558; 2638; 2849; 3853; 3993; 4065; 4156; 4297; 4642; 4828; 4859; 4885; 5241; 5625; 6345; 6396
CviJI	RG!CY	159	42; 84; 93; 277; 566; 618; 624; 642; 681; 687; 715; 726; 734; 755; 770; 789; 808; 1013; 1020; 1043; 1131; 1167; 1199; 1206; 1249; 1256; 1275; 1281; 1288; 1310; 1316; 1322; 1328; 1364; 1377; 1388; 1397; 1404; 1416; 1422; 1464; 1485; 1536; 1555; 1573; 1601; 1641; 1674; 1682; 1709; 1718; 1730; 1770; 1789; 1809; 1820; 1824; 1844; 1889; 1897; 1939; 1982; 2007; 2019; 2094; 2102; 2162; 2177; 2182; 2261; 2290; 2343; 2381; 2408; 2471; 2518; 2547; 2554; 2632; 2698; 2710; 2761; 2788; 2796; 2830; 2844; 2853; 2861; 2875; 2985; 3021; 3027; 3072; 3095; 3205; 3372; 3392; 3534; 3615; 3629; 3643; 3924; 3965; 4037; 4160; 4189; 4195; 4204; 4212; 4235; 4247; 4253; 4334; 4351; 4359; 4386; 4411; 4495; 4504; 4508; 4532; 4570; 4646; 4663; 4682; 4745; 4789; 4799; 4816; 4899; 4926; 4930; 4967; 4990; 5006; 5186; 5213; 5274; 5396; 5435; 5492; 5499; 5506; 5525; 5536; 5787; 5816; 5859; 5870; 5935; 6014; 6039; 6044; 6090; 6180; 6278; 6304; 6322; 6333
CviKI-1	RG!CY	159	42; 84; 93; 277; 566; 618; 624; 642; 681; 687; 715; 726; 734; 755; 770; 789; 808; 1013; 1020; 1043; 1131; 1167; 1199; 1206; 1249; 1256; 1275; 1281; 1288; 1310; 1316; 1322; 1328; 1364; 1377; 1388; 1397; 1404; 1416; 1422; 1464; 1485; 1536; 1555; 1573; 1601; 1641; 1674; 1682; 1709; 1718; 1730; 1770; 1789; 1809; 1820; 1824; 1844; 1889; 1897; 1939; 1982; 2007; 2019; 2094; 2102; 2162; 2177; 2182; 2261; 2290; 2343; 2381; 2408; 2471; 2518; 2547; 2554; 2632; 2698; 2710; 2761; 2788; 2796; 2830; 2844; 2853; 2861; 2875; 2985; 3021; 3027; 3072; 3095; 3205; 3372; 3392; 3534; 3615; 3629; 3643; 3924; 3965; 4037; 4160; 4189; 4195; 4204; 4212; 4235; 4247; 4253; 4334; 4351; 4359; 4386; 4411; 4495; 4504; 4508; 4532; 4570; 4646; 4663; 4682; 4745; 4789; 4799; 4816; 4899; 4926; 4930; 4967; 4990; 5006; 5186; 5213; 5274; 5396; 5435; 5492; 5499; 5506; 5525; 5536; 5787; 5816; 5859; 5870; 5935; 6014; 6039; 6044; 6090; 6180; 6278; 6304; 6322; 6333
CviQI	G!TAC	13	218; 243; 298; 331; 382; 539; 1192; 1928; 2132; 2411; 2561; 2813; 4731
DdeI	C!TNAG	18	606; 1015; 1282; 1330; 1426; 1447; 1642; 1753; 2001; 2158; 2173; 2923; 3906; 4208; 5089; 5538; 5661; 6070
DinI	GGC!GCC	2	1924; 4427
DpnI	GA!TC	29	587; 611; 663; 933; 972; 1077; 1120; 1496; 2353; 2733; 2883; 2909; 3085; 4265; 4269; 4288; 4599; 4677; 4758; 4767; 4845; 5221; 5237; 5596; 5608; 5686; 5694; 5705; 5780

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
DpnII	!GATC	29	585; 609; 661; 931; 970; 1075; 1118; 1494; 2351; 2731; 2881; 2907; 3083; 4263; 4267; 4286; 4597; 4675; 4756; 4765; 4843; 5219; 5235; 5594; 5606; 5684; 5692; 5703; 5778
DraI	TTT!AAA	3	3128; 5570; 5589
DraII	RG!GNCCY	7	787; 1011; 1019; 1395; 1672; 1680; 5524
DraIII	CACNNN!GTG	3	1628; 3017; 3542
DraRI	CAAGNACNNNNNNNNNNNNNNNNNNNN!	3	266; 2242; 5906
DraRI	!NNNNNNNNNNNNNNNNNNNGTNCCTG	0	
DrdI	GACNNN!NNGTC	3	3497; 4453; 6242
DrdIV	TACGACNNNNNNNNNNNNNNNNNNNN!	0	
DrdIV	!NNNNNNNNNNNNNNNNNNNGTCGTA	1	476
DriI	GACNNN!NNGTC	1	1085
DseDI	GACNNN!NNGTC	3	3497; 4453; 6242
EaeI	Y!GGCCR	9	1165; 1787; 2180; 3025; 3070; 4332; 4506; 4897; 4924
EagI	C!GGCCG	3	1787; 3070; 4332
Eam1104I	CTCTTCN!	0	
Eam1104I	!NNNNGAAGAG	3	3893; 4770; 4980
Eam1105I	GACNNN!NNGTC	1	1085
EarI	CTCTTCN!	0	
EarI	!NNNNGAAGAG	3	3893; 4770; 4980
EciI	GGCGGANNNNNNNNNNNN!	4	3926; 4955; 6142; 6288
EciI	!NNNNNNNNNTCCGCC	4	496; 4097; 4118; 4139
Ecl136II	GAG!CTC	1	618
EclXI	C!GGCCG	3	1787; 3070; 4332
Eco24I	GRGCY!C	12	620; 791; 1399; 1487; 1676; 1684; 1984; 2164; 2345; 3617; 4791; 5501
Eco31I	GGTCTCN!	1	680
Eco31I	!NNNNNGAGACC	3	2799; 2988; 5415
Eco32I	GAT!ATC	0	
Eco47I	G!GWCC	4	1334; 2087; 4942; 5387
Eco47III	AGC!GCT	1	596
Eco52I	C!GGCCG	3	1787; 3070; 4332
Eco57I	CTGAAGNNNNNNNNNNNNNNNN!	4	1713; 2877; 4572; 5004
Eco57I	!NNNNNNNNNNNNNNCTTCAG	1	5802
Eco72I	CAC!GTG	1	2312
Eco81I	CC!TNAGG	4	1015; 1330; 3906; 5538
Eco88I	C!YCGRG	8	613; 783; 1132; 1390; 1603; 1810; 2138; 2625
Eco91I	G!GTNACC	0	
Eco105I	TAC!GTA	1	340
Eco130I	C!CWWGG	8	360; 634; 1230; 2368; 4155; 4248; 4858; 5263
Eco147I	AGG!CCT	3	2019; 2796; 4247
EcoHI	!CCSGG	15	775; 782; 783; 808; 835; 1131; 1132; 1206; 1809; 1810; 2939; 4428; 4588; 5201; 5965
EcoICRI	GAG!CTC	1	618
Eco57MI	CTGRAGNNNNNNNNNNNNNNNN!	10	981; 1501; 1713; 1935; 1977; 2085; 2877; 4572; 5004; 5266
Eco57MI	!NNNNNNNNNNNNNNCTYCAG	5	1402; 1875; 2685; 5209; 5802
EcoNI	CCTNN!NNNAGG	0	
Eco065I	G!GTNACC	0	
Eco0109I	RG!GNCCY	7	787; 1011; 1019; 1395; 1672; 1680; 5524
EcoRI	G!AATC	1	629
EcoRII	!CCWGG	32	88; 281; 756; 1044; 1264; 1478; 1487; 1654; 1667; 1676; 1804; 1891; 1954; 2062; 2089; 2177; 2209; 2299; 2542; 2590; 2686; 2701; 2830; 3960; 4015; 4032; 4811; 5390; 5493; 6183; 6196; 6317
EcoRV	GAT!ATC	0	
EcoT14I	C!CWWGG	8	360; 634; 1230; 2368; 4155; 4248; 4858; 5263
EcoT22I	ATGCA!T	3	3998; 4070; 6401
EcoT38I	GRGCY!C	12	620; 791; 1399; 1487; 1676; 1684; 1984; 2164; 2345; 3617; 4791; 5501
Eco53kI	GAG!CTC	1	618
EgeI	GGC!GCC	2	1924; 4427
EheI	GGC!GCC	2	1924; 4427
ErhI	C!CWWGG	8	360; 634; 1230; 2368; 4155; 4248; 4858; 5263
EsaBC3I	TC!GA	19	615; 628; 935; 1079; 2269; 2510; 2537; 3005; 3576; 4267; 4540; 4696; 4720; 4756; 4918; 5109; 5154; 5409; 6247
Esp3I	CGTCTCN!	1	658

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Esp3I	!NNNNNGAGACG	0	
FaeI	CATG!	31	304; 364; 638; 1109; 1305; 1347; 1745; 2000; 2171; 2231; 2372; 2399; 2405; 2417; 2495; 2561; 2641; 2852; 3856; 3996; 4068; 4159; 4300; 4645; 4831; 4862; 4888; 5244; 5628; 6348; 6399
Fail	YA!TR	73	39; 46; 50; 67; 138; 146; 234; 236; 291; 302; 310; 362; 555; 557; 636; 1026; 1107; 1150; 1303; 1345; 1582; 1743; 1998; 2169; 2229; 2370; 2397; 2403; 2415; 2493; 2559; 2639; 2657; 2850; 2903; 2953; 3088; 3098; 3164; 3209; 3414; 3842; 3854; 3985; 3994; 4057; 4066; 4090; 4157; 4181; 4298; 4362; 4643; 4668; 4829; 4860; 4886; 4958; 5174; 5242; 5320; 5372; 5533; 5550; 5552; 5554; 5626; 5904; 6093; 6209; 6282; 6346; 6397
FalI	AAGNNNNNCTTNNNNNNNNNNNN!	2	2636; 4766
FalI	!NNNNNNNNNAAGNNNNNCTT	2	2604; 4734
FaqI	GGGACNNNNNNNNNN!	7	175; 326; 494; 774; 4577; 5109; 5218
FaqI	!NNNNNNNNNNNNNGTCCC	7	1223; 1337; 2097; 3942; 4014; 4078; 5373
FatI	!CATG	31	300; 360; 634; 1105; 1301; 1343; 1741; 1996; 2167; 2227; 2368; 2395; 2401; 2413; 2491; 2557; 2637; 2848; 3852; 3992; 4064; 4155; 4296; 4641; 4827; 4858; 4884; 5240; 5624; 6344; 6395
FauI	CCCGCNNNN!	18	93; 119; 286; 654; 665; 706; 835; 922; 991; 2035; 2064; 2825; 2927; 3748; 4103; 4124; 5320; 5452
FauI	!NNNNNNNGCGGG	8	1968; 2247; 2862; 3679; 4549; 5086; 5224; 5371
FauNDI	CA!TATG	1	234
FbaI	T!GATCA	0	
FblI	GT!MKAC	1	2947
FmuI	GGNC!C	29	86; 279; 644; 717; 728; 757; 791; 809; 1014; 1022; 1337; 1399; 1676; 1684; 1811; 1898; 2008; 2090; 2104; 2520; 2763; 2855; 2876; 3536; 4945; 5390; 5436; 5494; 5527
Fnu4HI	GC!NGC	49	640; 831; 918; 987; 1204; 1620; 1716; 1728; 1787; 1818; 1842; 1884; 1887; 2291; 2516; 2567; 2711; 2828; 3009; 3070; 3073; 3203; 3722; 3744; 3758; 4196; 4335; 4387; 4398; 4488; 4493; 4530; 4571; 4658; 4661; 4664; 4900; 4996; 5037; 5051; 5165; 5504; 5519; 5730; 5936; 5939; 6004; 6147; 6302
FokI	GGATGNNNNNNNNNN!	6	888; 1113; 4293; 4750; 4775; 5229
FokI	!NNNNNNNNNNNNNCATCC	6	1735; 2438; 2526; 2583; 2738; 4099
FriOI	GRGCY!C	12	620; 791; 1399; 1487; 1676; 1684; 1984; 2164; 2345; 3617; 4791; 5501
FseI	GGCCGG!CC	0	
FspI	TGC!GCA	2	1882; 4528
FspAI	RTGC!GCAY	0	
FspBI	C!TAG	11	592; 1836; 2338; 3046; 3081; 3275; 3693; 4249; 5264; 5598; 5851
FspEI	CCNNNNNNNNNNNN!	237	56; 71; 98; 114; 128; 129; 156; 182; 220; 252; 291; 307; 333; 373; 450; 451; 482; 501; 520; 593; 614; 647; 663; 678; 697; 711; 729; 748; 765; 784; 803; 822; 838; 862; 877; 923; 937; 961; 990; 1006; 1027; 1042; 1057; 1103; 1124; 1145; 1168; 1186; 1202; 1220; 1234; 1253; 1270; 1285; 1302; 1324; 1342; 1356; 1373; 1397; 1411; 1426; 1450; 1471; 1492; 1522; 1542; 1571; 1592; 1615; 1638; 1662; 1679; 1696; 1736; 1765; 1803; 1817; 1834; 1863; 1880; 1905; 1939; 1967; 1985; 2007; 2021; 2040; 2054; 2069; 2087; 2103; 2117; 2136; 2150; 2176; 2191; 2222; 2238; 2275; 2310; 2343; 2357; 2371; 2438; 2468; 2485; 2499; 2532; 2546; 2564; 2588; 2603; 2633; 2666; 2693; 2708; 2727; 2763; 2810; 2829; 2844; 2858; 2889; 2912; 2932; 2953; 2999; 3041; 3057; 3086; 3109; 3148; 3162; 3303; 3398; 3422; 3445; 3468; 3486; 3508; 3529; 3548; 3567; 3596; 3617; 3631; 3657; 3745; 3771; 3820; 3861; 3879; 3918; 3934; 3972; 4029; 4044; 4101; 4121; 4135; 4152; 4166; 4203; 4218; 4261; 4344; 4411; 4442; 4462; 4477; 4522; 4536; 4602; 4616; 4635; 4651; 4692; 4712; 4759; 4809; 4825; 4845; 4870; 4890; 4913; 4940; 4958; 4984; 5024; 5050; 5074; 5130; 5144; 5172; 5215; 5236; 5271; 5315; 5403; 5427; 5449; 5469; 5485; 5506; 5520; 5539; 5623; 5643; 5671; 5686; 5720; 5762; 5789; 5804; 5849; 5873; 5887; 5909; 5935; 5955; 5979; 6005; 6053; 6072; 6091; 6117; 6152; 6197; 6227; 6241; 6292; 6306; 6331; 6347; 6368; 6397

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
FspEI	!NNNNNNNNNNNNNNNGG	185	8; 35; 59; 144; 166; 197; 252; 295; 347; 375; 400; 435; 463; 509; 529; 552; 586; 621; 657; 697; 737; 762; 789; 822; 856; 876; 921; 945; 981; 1002; 1031; 1056; 1083; 1118; 1149; 1192; 1217; 1251; 1317; 1359; 1378; 1398; 1446; 1465; 1483; 1506; 1531; 1577; 1596; 1623; 1641; 1663; 1683; 1722; 1742; 1771; 1791; 1822; 1878; 1899; 1920; 1941; 1960; 1988; 2031; 2049; 2070; 2126; 2164; 2187; 2232; 2259; 2286; 2306; 2334; 2355; 2373; 2400; 2442; 2463; 2487; 2529; 2548; 2577; 2613; 2650; 2673; 2692; 2722; 2743; 2770; 2809; 2835; 2854; 2926; 2952; 3000; 3039; 3097; 3197; 3266; 3296; 3374; 3423; 3445; 3473; 3509; 3554; 3583; 3619; 3638; 3666; 3686; 3749; 3772; 3880; 3912; 3930; 3959; 4002; 4031; 4142; 4171; 4214; 4235; 4263; 4296; 4316; 4341; 4368; 4393; 4415; 4443; 4469; 4490; 4541; 4562; 4580; 4628; 4664; 4720; 4745; 4769; 4798; 4821; 4845; 4871; 4893; 4912; 4937; 4977; 5013; 5078; 5163; 5187; 5216; 5250; 5271; 5291; 5336; 5363; 5382; 5415; 5467; 5498; 5525; 5577; 5675; 5746; 5791; 5852; 5917; 5951; 5977; 5995; 6031; 6101; 6124; 6146; 6170; 6203; 6251; 6286; 6304; 6361
Fsp4HI	GC!NGC	49	640; 831; 918; 987; 1204; 1620; 1716; 1728; 1787; 1818; 1842; 1884; 1887; 2291; 2516; 2567; 2711; 2828; 3009; 3070; 3073; 3203; 3722; 3744; 3758; 4196; 4335; 4387; 4398; 4488; 4493; 4530; 4571; 4658; 4661; 4664; 4900; 4996; 5037; 5051; 5165; 5504; 5519; 5730; 5936; 5939; 6004; 6147; 6302
GdiII	C!GGCCR	3	1787; 3070; 4332
GdiII	Y!GGCCG	6	1787; 2180; 3070; 4332; 4897; 4924
GlaI	GC!GC	30	596; 795; 797; 955; 1662; 1816; 1832; 1882; 1924; 2054; 3691; 3699; 3725; 3747; 3756; 3769; 3800; 4419; 4427; 4491; 4528; 4794; 5054; 5230; 5316; 5719; 5828; 6002; 6102; 6169
GluI	GC!NGC	49	640; 831; 918; 987; 1204; 1620; 1716; 1728; 1787; 1818; 1842; 1884; 1887; 2291; 2516; 2567; 2711; 2828; 3009; 3070; 3073; 3203; 3722; 3744; 3758; 4196; 4335; 4387; 4398; 4488; 4493; 4530; 4571; 4658; 4661; 4664; 4900; 4996; 5037; 5051; 5165; 5504; 5519; 5730; 5936; 5939; 6004; 6147; 6302
GsaI	CCCAG!C	13	794; 1256; 1316; 1322; 1364; 1388; 1404; 1573; 1589; 1727; 3973; 4045; 6044
GsaI	GCTGG!G	3	874; 2792; 4934
GsuI	CTGGAGNNNNNNNNNNNNNN!	7	981; 1501; 1731; 1935; 1977; 2085; 5266
GsuI	!NNNNNNNNNNNNNNCTCCAG	4	1402; 1875; 2685; 5209
HaeI	WGG!CCW	10	1167; 2019; 2094; 2796; 3027; 4247; 4508; 5870; 6322; 6333
HaeII	RGCGC!Y	6	598; 1926; 3693; 3701; 4429; 6104
HaeIII	GG!CC	48	84; 277; 642; 715; 726; 755; 789; 808; 1013; 1020; 1167; 1397; 1674; 1682; 1789; 1809; 1897; 2007; 2019; 2094; 2102; 2182; 2518; 2761; 2796; 2830; 2853; 2875; 2985; 3027; 3072; 3392; 3534; 4189; 4195; 4204; 4247; 4334; 4508; 4899; 4926; 5435; 5492; 5525; 5870; 6304; 6322; 6333
HaeIV	GAYNNNNNRTCNNNNNNNNNNNN!	3	1104; 3101; 4622
HaeIV	!NNNNNNNNNGAYNNNNNRTC	3	1070; 3067; 4588
HaeIV	GAYNNNNNRTCNNNNNNNNNNNN!	3	1103; 3100; 4621
HaeIV	!NNNNNNNGAYNNNNNRTC	3	1072; 3069; 4590
HapII	C!CGG	34	601; 684; 752; 777; 784; 809; 837; 996; 1133; 1207; 1272; 1278; 1413; 1638; 1811; 2099; 2358; 2941; 3644; 4331; 4408; 4430; 4458; 4589; 4679; 4746; 4927; 5202; 5210; 5302; 5776; 5966; 5992; 6139
HgaI	GACGCNNNNN!	3	526; 5136; 5215
HgaI	!NNNNNNNNNNNGCGTC	4	2933; 3759; 5654; 6232
HhaI	GCG!C	30	597; 796; 798; 956; 1663; 1817; 1833; 1883; 1925; 2055; 3692; 3700; 3726; 3748; 3757; 3770; 3801; 4420; 4428; 4492; 4529; 4795; 5055; 5231; 5317; 5720; 5829; 6003; 6103; 6170
HinI	GR!CGYC	9	122; 175; 258; 444; 1923; 2944; 4426; 5128; 5207
HinIII	CATG!	31	304; 364; 638; 1109; 1305; 1347; 1745; 2000; 2171; 2231; 2372; 2399; 2405; 2417; 2495; 2561; 2641; 2852; 3856; 3996; 4068; 4159; 4300; 4645; 4831; 4862; 4888; 5244; 5628; 6348; 6399
Hin4I	GAYNNNNNVTCNNNNNNNNNNNN!	3	1099; 3100; 4621
Hin4I	!NNNNNNNNNGABNNNNNRTC	4	1071; 3068; 4589; 4619
Hin4I	GABNNNNNRTCNNNNNNNNNNNN!	4	1103; 3100; 4621; 4651
Hin4I	!NNNNNNNNNGAYNNNNNVTC	3	1067; 3068; 4589
Hin6I	G!CGC	30	595; 794; 796; 954; 1661; 1815; 1831; 1881; 1923; 2053; 3690; 3698; 3724; 3746; 3755; 3768; 3799; 4418; 4426; 4490; 4527; 4793; 5053; 5229; 5315; 5718; 5827; 6001; 6101; 6168

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
HinP1I	G!CGC	30	595; 794; 796; 954; 1661; 1815; 1831; 1881; 1923; 2053; 3690; 3698; 3724; 3746; 3755; 3768; 3799; 4418; 4426; 4490; 4527; 4793; 5053; 5229; 5315; 5718; 5827; 6001; 6101; 6168
HincII	GTY!RAC	2	1775; 3189
HindII	GTY!RAC	2	1775; 3189
HindIII	A!AGCTT	1	622
HinfI	G!ANTC	21	410; 604; 743; 939; 1080; 1442; 1688; 2497; 2647; 2974; 3077; 3469; 3491; 3901; 4911; 5045; 5097; 5155; 5192; 5974; 6370
HpaI	GTT!AAC	1	3189
HpaII	C!CGG	34	601; 684; 752; 777; 784; 809; 837; 996; 1133; 1207; 1272; 1278; 1413; 1638; 1811; 2099; 2358; 2941; 3644; 4331; 4408; 4430; 4458; 4589; 4679; 4746; 4927; 5202; 5210; 5302; 5776; 5966; 5992; 6139
HphI	GGTANNNNNNNN!	6	376; 1067; 2384; 2753; 5497; 5613
HphI	!NNNNNNNTCACC	7	1568; 1856; 2016; 2030; 2642; 3543; 4604
Hpy8I	GTN!NAC	16	201; 539; 577; 1453; 1775; 2087; 2429; 2449; 2744; 2948; 2957; 3189; 3473; 3490; 3545; 6032
Hpy99I	CGWCG!	9	885; 3006; 4516; 4544; 4838; 4853; 5130; 5515; 6248
Hpy166II	GTN!NAC	16	201; 539; 577; 1453; 1775; 2087; 2429; 2449; 2744; 2948; 2957; 3189; 3473; 3490; 3545; 6032
Hpy188I	TCN!GA	20	585; 609; 1285; 1645; 1693; 1756; 2159; 2323; 2456; 2736; 3600; 4209; 4393; 4737; 5090; 5191; 5670; 5804; 6157; 6235
Hpy188III	TC!NNGA	27	613; 960; 996; 1144; 1914; 2729; 2933; 3081; 3853; 3905; 4218; 4271; 4444; 4760; 4769; 4852; 4908; 4952; 5042; 5075; 5144; 5625; 5699; 5782; 5880; 5978; 6112
HpyAV	CCTTCNNNNNN!	11	758; 920; 988; 1252; 2087; 2537; 2585; 2630; 5071; 5178; 5857
HpyAV	!NNNNNGAAGG	11	1046; 1688; 2457; 2829; 3659; 4554; 5283; 5299; 5482; 5799; 6109
HpyCH4III	ACN!GT	19	76; 198; 269; 543; 581; 1297; 1911; 2109; 2195; 2307; 2426; 3517; 4806; 4922; 5030; 5353; 5844; 6314; 6385
HpyCH4IV	A!CGT	17	122; 134; 175; 258; 339; 444; 2311; 2725; 3001; 3486; 3498; 3541; 3651; 4542; 4729; 5510; 5643
HpyCH4V	TG!CA	24	888; 1203; 1610; 1736; 2399; 2449; 2771; 2887; 3175; 3202; 3270; 3987; 3996; 4059; 4068; 4183; 4259; 4318; 4477; 4652; 4666; 5736; 6032; 6399
HpyF3I	C!TNAG	18	606; 1015; 1282; 1330; 1426; 1447; 1642; 1753; 2001; 2158; 2173; 2923; 3906; 4208; 5089; 5538; 5661; 6070
HpyF10VI	GCNNNNN!NNGC	43	90; 212; 244; 283; 376; 400; 693; 786; 814; 894; 1394; 1542; 1607; 1628; 1715; 1733; 1792; 1821; 1867; 2152; 2168; 2405; 2836; 2850; 3653; 3683; 3710; 3752; 3993; 4065; 4116; 4195; 4417; 4501; 4524; 4663; 4786; 4869; 5136; 5323; 5527; 5726; 6298
Hsp92I	GR!CGYC	9	122; 175; 258; 444; 1923; 2944; 4426; 5128; 5207
Hsp92II	CATG!	31	304; 364; 638; 1109; 1305; 1347; 1745; 2000; 2171; 2231; 2372; 2399; 2405; 2417; 2495; 2561; 2641; 2852; 3856; 3996; 4068; 4159; 4300; 4645; 4831; 4862; 4888; 5244; 5628; 6348; 6399
HspAI	G!CGC	30	595; 794; 796; 954; 1661; 1815; 1831; 1881; 1923; 2053; 3690; 3698; 3724; 3746; 3755; 3768; 3799; 4418; 4426; 4490; 4527; 4793; 5053; 5229; 5315; 5718; 5827; 6001; 6101; 6168
KasI	G!GCGCC	2	1922; 4425
KfII	GG!GWCCC	0	
KpnI	GGTAC!C	0	
Kpn2I	T!CCGGA	1	995
KspI	CCGC!GG	0	
Ksp22I	T!GATCA	0	
KspAI	GTT!AAC	1	3189
Kzo9I	!GATC	29	585; 609; 661; 931; 970; 1075; 1118; 1494; 2351; 2731; 2881; 2907; 3083; 4263; 4267; 4286; 4597; 4675; 4756; 4765; 4843; 5219; 5235; 5594; 5606; 5684; 5692; 5703; 5778
LguI	GCTCTCN!	0	
LguI	!NNNNGAAGAGC	2	4770; 4980
LpnI	RGC!GCGY	6	596; 1924; 3691; 3699; 4427; 6102

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
LpnPI	CCDGNNNNNNNNN!	109	102; 295; 614; 697; 730; 765; 790; 804; 822; 850; 864; 964; 1009; 1027; 1058; 1146; 1174; 1202; 1220; 1236; 1259; 1278; 1302; 1326; 1362; 1378; 1398; 1414; 1432; 1450; 1471; 1492; 1583; 1599; 1651; 1668; 1690; 1737; 1818; 1834; 1871; 1887; 1905; 1968; 1985; 2054; 2076; 2103; 2185; 2223; 2277; 2313; 2358; 2499; 2556; 2604; 2700; 2715; 2776; 2823; 2844; 2868; 2892; 2954; 3041; 3163; 3468; 3657; 3880; 3918; 3934; 3974; 4029; 4046; 4146; 4231; 4344; 4421; 4443; 4466; 4602; 4616; 4635; 4692; 4759; 4809; 4825; 4882; 4940; 5149; 5215; 5239; 5315; 5404; 5507; 5540; 5771; 5789; 5935; 5955; 5979; 6005; 6054; 6152; 6197; 6227; 6306; 6331; 6368
LpnPI	!NNNNNNNNNNNNNCHGG	88	75; 268; 552; 586; 669; 737; 762; 794; 822; 856; 885; 945; 981; 1031; 1083; 1118; 1192; 1251; 1317; 1398; 1465; 1483; 1531; 1596; 1623; 1641; 1663; 1695; 1722; 1791; 1878; 1899; 1941; 2049; 2076; 2164; 2196; 2286; 2343; 2529; 2577; 2673; 2774; 2817; 2926; 2952; 3039; 3509; 3629; 3686; 3749; 3947; 3959; 4019; 4031; 4263; 4308; 4351; 4393; 4415; 4443; 4490; 4552; 4574; 4664; 4731; 4754; 4798; 4893; 4912; 4937; 5086; 5187; 5230; 5287; 5377; 5480; 5507; 5525; 5761; 5798; 5951; 5977; 6117; 6135; 6170; 6251; 6304
Lsp1109I	GCAGCNNNNNNNN!	14	1215; 1631; 1727; 1829; 1853; 1895; 2578; 3020; 3214; 4499; 4541; 5062; 5515; 6015
Lsp1109I	!NNNNNNNNNNNGCTGC	8	2277; 2697; 3708; 4373; 4557; 4650; 5716; 5922
LweI	GCATCNNNNN!	8	1757; 2605; 3242; 4005; 4077; 4725; 4789; 5064
LweI	!NNNNNNNNNGATGC	9	357; 875; 1782; 2758; 2926; 4384; 4639; 4855; 6247
MabI	A!CCWGGT	2	1654; 4015
MaeI	C!TAG	11	592; 1836; 2338; 3046; 3081; 3275; 3693; 4249; 5264; 5598; 5851
MaeII	A!CGT	17	122; 134; 175; 258; 339; 444; 2311; 2725; 3001; 3486; 3498; 3541; 3651; 4542; 4729; 5510; 5643
MaeIII	!GTNAC	19	61; 148; 497; 1439; 1501; 1941; 1965; 2235; 2307; 2648; 3214; 3715; 3727; 4546; 4852; 5542; 5808; 5924; 5987
MalI	GA!TC	29	587; 611; 663; 933; 972; 1077; 1120; 1496; 2353; 2733; 2883; 2909; 3085; 4265; 4269; 4288; 4599; 4677; 4758; 4767; 4845; 5221; 5237; 5596; 5608; 5686; 5694; 5705; 5780
MaqI	CRTTGACNNNNNNNNNNNNNNNNNNNN!	4	144; 197; 466; 540
MaqI	!NNNNNNNNNNNNNNNNNNNGTCAAYG	4	157; 240; 426; 1753
MauBI	CG!CGCGCG	0	
MbiI	CCG!CTC	2	3850; 5039
MbiI	GAG!CGG	3	3069; 3686; 5093
MboI	!GATC	29	585; 609; 661; 931; 970; 1075; 1118; 1494; 2351; 2731; 2881; 2907; 3083; 4263; 4267; 4286; 4597; 4675; 4756; 4765; 4843; 5219; 5235; 5594; 5606; 5684; 5692; 5703; 5778
MboII	GAAGANNNNNNNN!	11	716; 852; 2673; 2786; 2906; 2974; 3682; 3910; 4787; 4997; 5616
MboII	!NNNNNNNTCTTC	5	965; 5077; 5244; 5444; 5687
McaTI	GCGC!GC	1	797
MfeI	C!AATTG	1	3176
MflI	R!GATCY	13	585; 609; 970; 1494; 2351; 2907; 4597; 4843; 5235; 5594; 5606; 5692; 5703
MhII	GDGCH!C	29	620; 791; 899; 1156; 1215; 1399; 1487; 1528; 1633; 1676; 1684; 1984; 2073; 2148; 2164; 2317; 2345; 2424; 2451; 2484; 3061; 3617; 4372; 4465; 4539; 4729; 4791; 5501; 6034
MIsI	TGG!CCA	3	1167; 3027; 4508
MluI	A!CGCGT	0	
MluNI	TGG!CCA	3	1167; 3027; 4508
MlyI	GAGTCNNNNN!	3	2656; 3478; 3910
MlyI	!NNNNNGACTC	9	404; 598; 1074; 1436; 1682; 3071; 3485; 5091; 5968
Mly113I	GG!CGCC	2	1923; 4426
MmeI	TCCRACNNNNNNNNNNNNNNNNNNNN!	3	1361; 2779; 3519
MmeI	!NNNNNNNNNNNNNNNNNGTYGGA	3	2301; 5951; 6135
MnII	CCTCNNNNNNN!	26	781; 865; 934; 967; 1000; 1100; 1237; 1267; 1339; 1415; 1570; 1762; 2084; 2530; 2709; 2724; 2807; 2940; 3051; 3145; 4209; 5027; 5233; 5547; 5917; 6241
MnII	!NNNNNGAGG	39	541; 884; 897; 929; 956; 992; 1002; 1386; 1585; 1691; 1750; 1910; 1928; 1996; 2060; 2134; 2240; 2267; 2411; 2450; 2471; 2504; 2621; 2730; 2786; 2975; 3008; 3105; 3570; 3901; 4179; 4222; 4237; 4277; 4341; 4477; 4834; 5264; 6167
Mph1103I	ATGCA!T	3	3998; 4070; 6401

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MreI	CG!CCGGCG	0	
MroI	T!CCGGA	1	995
MroNI	G!CCGGC	3	3643; 4926; 5209
MroXI	GAANN!NN TTC	4	708; 747; 844; 943
MscI	TGG!CCA	3	1167; 3027; 4508
MseI	T!TAA	17	7; 2386; 2611; 3127; 3188; 3309; 3330; 3341; 3353; 3364; 3381; 3479; 3750; 5569; 5583; 5588; 5640
MslI	CAYNN!NNRTG	6	365; 1876; 2043; 2370; 2400; 4863
MspI	C!CGG	34	601; 684; 752; 777; 784; 809; 837; 996; 1133; 1207; 1272; 1278; 1413; 1638; 1811; 2099; 2358; 2941; 3644; 4331; 4408; 4430; 4458; 4589; 4679; 4746; 4927; 5202; 5210; 5302; 5776; 5966; 5992; 6139
Msp20I	TGG!CCA	3	1167; 3027; 4508
MspA1I	CMG!CKG	7	1718; 1844; 2820; 3924; 4532; 5761; 6006
MspCI	C!TTAAG	1	3308
MspJI	CNNRRNNNNNNNN!	332	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; 658; 671; 689; 710; 729; 742; 764; 779; 795; 809; 822; 839; 863; 879; 901; 926; 941; 963; 995; 1008; 1026; 1046; 1103; 1118; 1139; 1156; 1169; 1195; 1208; 1226; 1243; 1258; 1276; 1290; 1306; 1324; 1337; 1356; 1372; 1390; 1403; 1418; 1431; 1449; 1470; 1491; 1510; 1527; 1542; 1558; 1573; 1591; 1615; 1638; 1654; 1667; 1680; 1697; 1722; 1735; 1749; 1765; 1790; 1817; 1833; 1848; 1863; 1879; 1894; 1910; 1926; 1939; 1960; 1984; 2002; 2021; 2039; 2053; 2068; 2096; 2111; 2127; 2150; 2170; 2184; 2211; 2228; 2252; 2267; 2290; 2312; 2334; 2350; 2370; 2390; 2408; 2426; 2456; 2474; 2489; 2504; 2522; 2555; 2570; 2598; 2613; 2637; 2650; 2666; 2684; 2698; 2714; 2727; 2741; 2762; 2775; 2796; 2815; 2829; 2843; 2857; 2874; 2891; 2912; 2931; 2945; 2972; 2990; 3010; 3024; 3040; 3057; 3072; 3086; 3099; 3114; 3133; 3150; 3163; 3204; 3218; 3231; 3249; 3287; 3302; 3320; 3361; 3385; 3405; 3423; 3444; 3467; 3499; 3514; 3536; 3554; 3567; 3588; 3605; 3618; 3631; 3647; 3660; 3690; 3705; 3730; 3748; 3761; 3776; 3800; 3814; 3838; 3863; 3879; 3917; 3933; 3972; 3986; 4000; 4028; 4044; 4058; 4072; 4101; 4114; 4135; 4144; 4166; 4196; 4212; 4230; 4260; 4283; 4307; 4331; 4350; 4378; 4404; 4420; 4433; 4456; 4470; 4490; 4503; 4517; 4536; 4550; 4563; 4579; 4594; 4607; 4623; 4638; 4654; 4679; 4698; 4714; 4727; 4740; 4758; 4772; 4786; 4802; 4824; 4840; 4859; 4881; 4897; 4920; 4939; 4953; 4969; 4983; 5003; 5019; 5032; 5054; 5087; 5101; 5121; 5134; 5148; 5202; 5215; 5238; 5251; 5270; 5287; 5314; 5350; 5383; 5402; 5427; 5448; 5475; 5488; 5505; 5519; 5534; 5550; 5610; 5635; 5651; 5673; 5686; 5700; 5731; 5745; 5770; 5788; 5803; 5816; 5835; 5848; 5863; 5892; 5911; 5929; 5954; 5969; 5988; 6004; 6023; 6041; 6057; 6071; 6090; 6117; 6140; 6162; 6181; 6196; 6209; 6226; 6246; 6273; 6286; 6305; 6330; 6353; 6367; 6380; 6397

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MspJI	!NNNNNNNNNNNNNYNNG	270	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; 632; 652; 669; 697; 737; 762; 781; 800; 822; 853; 885; 915; 937; 969; 1000; 1031; 1056; 1084; 1118; 1135; 1163; 1182; 1209; 1232; 1251; 1269; 1288; 1305; 1330; 1347; 1371; 1398; 1423; 1444; 1465; 1483; 1507; 1528; 1556; 1589; 1612; 1629; 1646; 1663; 1696; 1723; 1740; 1769; 1791; 1814; 1844; 1864; 1884; 1918; 1941; 1958; 1983; 2001; 2027; 2049; 2070; 2095; 2112; 2134; 2154; 2175; 2196; 2214; 2232; 2250; 2286; 2303; 2324; 2344; 2364; 2382; 2400; 2430; 2454; 2472; 2496; 2515; 2537; 2577; 2598; 2624; 2644; 2673; 2715; 2749; 2770; 2790; 2817; 2835; 2852; 2870; 2898; 2919; 2938; 2964; 2986; 3009; 3032; 3052; 3078; 3107; 3136; 3178; 3261; 3296; 3323; 3346; 3375; 3419; 3441; 3473; 3509; 3526; 3547; 3584; 3604; 3621; 3638; 3673; 3691; 3709; 3726; 3750; 3772; 3799; 3827; 3853; 3891; 3912; 3929; 3947; 3970; 3991; 4019; 4042; 4063; 4081; 4102; 4119; 4142; 4166; 4186; 4204; 4226; 4257; 4279; 4305; 4324; 4341; 4369; 4388; 4407; 4425; 4443; 4464; 4486; 4510; 4543; 4563; 4581; 4602; 4628; 4655; 4672; 4689; 4706; 4732; 4754; 4776; 4794; 4814; 4833; 4855; 4893; 4913; 4937; 4957; 4977; 5004; 5028; 5061; 5080; 5108; 5130; 5159; 5187; 5212; 5231; 5250; 5271; 5288; 5305; 5336; 5363; 5383; 5406; 5426; 5463; 5480; 5499; 5525; 5545; 5584; 5611; 5630; 5648; 5685; 5703; 5744; 5762; 5788; 5805; 5837; 5866; 5894; 5915; 5938; 5957; 5978; 5996; 6013; 6031; 6057; 6078; 6098; 6118; 6136; 6157; 6183; 6200; 6219; 6238; 6267; 6286; 6304; 6323; 6341; 6359; 6382
MspR9I	CC!NGG	47	90; 283; 758; 777; 784; 785; 810; 837; 1046; 1133; 1134; 1208; 1266; 1480; 1489; 1656; 1669; 1678; 1806; 1811; 1812; 1893; 1956; 2064; 2091; 2179; 2211; 2301; 2544; 2592; 2688; 2703; 2832; 2941; 3962; 4017; 4034; 4430; 4590; 4813; 5203; 5392; 5495; 5967; 6185; 6198; 6319
MssI	GTTT!AAC	0	
MunI	CAATTG	1	3176
MvaI	CC!WGG	32	90; 283; 758; 1046; 1266; 1480; 1489; 1656; 1669; 1678; 1806; 1893; 1956; 2064; 2091; 2179; 2211; 2301; 2544; 2592; 2688; 2703; 2832; 3962; 4017; 4034; 4813; 5392; 5495; 6185; 6198; 6319
Mva1269I	GAATGCN!	1	3177
Mva1269I	G!CATTC	1	3270
MvnI	CG!CG	18	60; 660; 796; 1831; 3075; 3350; 3726; 3746; 3770; 3801; 4492; 4793; 5231; 5315; 5378; 5447; 5720; 6301
MvrI	CGAT!CG	1	934
MwoI	GCNNNNN!NNGC	43	90; 212; 244; 283; 376; 400; 693; 786; 814; 894; 1394; 1542; 1607; 1628; 1715; 1733; 1792; 1821; 1867; 2152; 2168; 2405; 2836; 2850; 3653; 3683; 3710; 3752; 3993; 4065; 4116; 4195; 4417; 4501; 4524; 4663; 4786; 4869; 5136; 5323; 5527; 5726; 6298
NaeI	GCC!GGC	3	3645; 4928; 5211
NarI	GG!CGCC	2	1923; 4426
NciI	CC!SGG	15	777; 784; 785; 810; 837; 1133; 1134; 1208; 1811; 1812; 2941; 4430; 4590; 5203; 5967
NcoI	C!CATGG	5	360; 634; 2368; 4155; 4858
NdeI	CA!TATG	1	234
NdeII	!GATC	29	585; 609; 661; 931; 970; 1075; 1118; 1494; 2351; 2731; 2881; 2907; 3083; 4263; 4267; 4286; 4597; 4675; 4756; 4765; 4843; 5219; 5235; 5594; 5606; 5684; 5692; 5703; 5778
NgoAVIII	GACNNNNNTGANNNNNNNNNNNN!	1	280
NgoAVIII	!NNNNNNNNNNNTCANNNNNGTC	1	2488
NgoAVIII	TCANNNNNGTCNNNNNNNNNNNN!	1	2524
NgoAVIII	!NNNNNNNNNNNGACNNNNNTGA	1	244
NgoMIV	G!CCGGC	3	3643; 4926; 5209
NheI	G!CTAGC	1	591
NlaIII	CATG!	31	304; 364; 638; 1109; 1305; 1347; 1745; 2000; 2171; 2231; 2372; 2399; 2405; 2417; 2495; 2561; 2641; 2852; 3856; 3996; 4068; 4159; 4300; 4645; 4831; 4862; 4888; 5244; 5628; 6348; 6399

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
NlaIV	GGN!NCC	39	467; 643; 682; 727; 781; 788; 789; 908; 1021; 1270; 1276; 1398; 1417; 1484; 1527; 1556; 1675; 1683; 1924; 1981; 2072; 2103; 2353; 2423; 2483; 2874; 3581; 3602; 3614; 3805; 3966; 4038; 4427; 4462; 5310; 5389; 5434; 6277; 6316
NlaCI	CATCACNNNNNNNNNNNNNNNNNN!	4	2009; 3258; 3573; 5165
NlaCI	!NNNNNNNNNNNNNNNNNGTGATG	3	347; 2748; 6237
Nli3877I	CYCGR!G	8	617; 787; 1136; 1394; 1607; 1814; 2142; 2629
NmeAIII	GCCGAGNNNNNNNNNNNNNNNNNN!	3	2208; 4215; 4651
NmeAIII	!NNNNNNNNNNNNNNNNNNCTCGGC	3	657; 2764; 4180
NmeDI	RCCGGYNNNNNN!	7	1649; 2110; 2369; 3655; 4757; 4938; 5221
NmeDI	!NNNNNNNNNNNNRCCGGY	7	1624; 2085; 2344; 3630; 4732; 4913; 5196
NmuCI	!GTSAC	7	1439; 1501; 2307; 2648; 3715; 4546; 4852
NotI	GC!GGCCGC	1	3070
NruI	TCG!CGA	0	
NsbI	TGC!GCA	2	1882; 4528
NsiI	ATGCA!T	3	3998; 4070; 6401
NspI	RCATG!Y	6	2000; 2399; 3996; 4068; 4831; 6348
NspV	TT!CGAA	2	627; 5108
OliI	CACNN!NNGTG	3	1876; 2043; 2370
PabI	GTA!C	13	220; 245; 300; 333; 384; 541; 1194; 1930; 2134; 2413; 2563; 2815; 4733
PacI	TTAAT!TAA	0	
PaeI	GCATG!C	4	2000; 3996; 4068; 4831
PaeR7I	C!TCGAG	1	613
PagI	T!CATGA	2	3852; 5624
PalAI	GG!CGCGCC	0	
PasI	CC!CWGGG	7	757; 1045; 1668; 1677; 2591; 5391; 5494
PauI	G!CGCGC	1	794
PceI	AGG!CCT	3	2019; 2796; 4247
PciI	A!CATGT	1	6344
PciSI	GCTCTCN!	0	
PciSI	!NNNNGAAGAGC	2	4770; 4980
PcsI	WCGNNNN!NNNCGW	7	3010; 4720; 4797; 5040; 5114; 5507; 6025
PctI	GAATGCN!	1	3177
PctI	G!CATTC	1	3270
PdiI	GCC!GGC	3	3645; 4928; 5211
PdmI	GAANN!NNTTC	4	708; 747; 844; 943
PfeI	G!AWTC	9	743; 939; 2497; 2974; 4911; 5045; 5155; 5192; 6370
Pfl23II	C!GTACG	0	
PfifI	GACN!NNGTC	1	4544
PfIMI	CCANNNN!NTGG	0	
PfoI	T!CCNGGA	3	1478; 2701; 5201
PhoI	GG!CC	48	84; 277; 642; 715; 726; 755; 789; 808; 1013; 1020; 1167; 1397; 1674; 1682; 1789; 1809; 1897; 2007; 2019; 2094; 2102; 2182; 2518; 2761; 2796; 2830; 2853; 2875; 2985; 3027; 3072; 3392; 3534; 4189; 4195; 4204; 4247; 4334; 4508; 4899; 4926; 5435; 5492; 5525; 5870; 6304; 6322; 6333
PinAI	A!CCGGT	1	2357
PlaDI	CATCAGNNNNNNNNNNNNNNNNNN!	1	4807
PlaDI	!NNNNNNNNNNNNNNNNNNCTGATG	2	4372; 4627
PleI	GAGTCNNNN!	3	2655; 3477; 3909
PleI	!NNNNNGACTC	9	404; 598; 1074; 1436; 1682; 3071; 3485; 5091; 5968
Ple19I	CGAT!CG	1	934
PmaCI	CAC!GTG	1	2312
PmeI	GTTT!AAAC	0	
PmlI	CAC!GTG	1	2312
PpiI	GAACNNNNNCTCNNNNNNNNNNNN!	1	3508
PpiI	!NNNNNNNNGAGNNNNNGTTC	1	5638
PpiI	GAGNNNNNGTTCNNNNNNNNNNNN!	1	5670
PpiI	!NNNNNNNGAACNNNNNCTC	1	3476
PpsI	GAGTCNNNN!	3	2655; 3477; 3909
PpsI	!NNNNNGACTC	9	404; 598; 1074; 1436; 1682; 3071; 3485; 5091; 5968
Ppu10I	A!TGCAT	3	3994; 4066; 6397
Ppu21I	YAC!GTR	4	340; 2312; 3542; 4730
PpuMI	RG!GWCCY	0	
Psci	A!CATGT	1	6344

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
PshAI	GACNN!NNGTC	1	3000
PshBI	AT!TAAT	1	7
PsiI	TTA!TAA	2	3209; 3414
Psp03I	GGWC!C	4	1337; 2090; 4945; 5390
Psp5II	RG!GWCCY	0	
Psp6I	!CCWGG	32	88; 281; 756; 1044; 1264; 1478; 1487; 1654; 1667; 1676; 1804; 1891; 1954; 2062; 2089; 2177; 2209; 2299; 2542; 2590; 2686; 2701; 2830; 3960; 4015; 4032; 4811; 5390; 5493; 6183; 6196; 6317
Psp1406I	AA!CGTT	0	
Psp124BI	GAGCT!C	1	620
PspCI	CAC!GTG	1	2312
PspEI	G!GTNACC	0	
PspGI	!CCWGG	32	88; 281; 756; 1044; 1264; 1478; 1487; 1654; 1667; 1676; 1804; 1891; 1954; 2062; 2089; 2177; 2209; 2299; 2542; 2590; 2686; 2701; 2830; 3960; 4015; 4032; 4811; 5390; 5493; 6183; 6196; 6317
PspLI	C!GTACG	0	
PspN4I	GGN!NCC	39	467; 643; 682; 727; 781; 788; 789; 908; 1021; 1270; 1276; 1398; 1417; 1484; 1527; 1556; 1675; 1683; 1924; 1981; 2072; 2103; 2353; 2423; 2483; 2874; 3581; 3602; 3614; 3805; 3966; 4038; 4427; 4462; 5310; 5389; 5434; 6277; 6316
PspOMI	G!GGCCC	4	787; 1395; 1672; 1680
PspOMII	CGCCCARNNNNNNNNNNNNNNNNNNNNNN!	3	125; 4156; 5155
PspOMII	!NNNNNNNNNNNNNNNNNNNYTGGGCG	1	4558
PspPI	G!GNCC	29	83; 276; 641; 714; 725; 754; 788; 806; 1011; 1019; 1334; 1396; 1673; 1681; 1808; 1895; 2005; 2087; 2101; 2517; 2760; 2852; 2873; 3533; 4942; 5387; 5433; 5491; 5524
PspPPI	RG!GWCCY	0	
PspPRI	CCYAGNNNNNNNNNNNNNNNNNN!	9	1283; 1331; 1419; 1506; 1695; 1772; 3979; 4051; 5557
PspPRI	!NNNNNNNNNNNNNNNNCTGRGG	7	857; 1001; 1655; 1987; 3040; 3892; 5087
PspXI	VC!TCGAGB	0	
PsrI	GAACNNNNNNNTACNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGTANNNNNNNGTTC	0	
PsrI	GTANNNNNNGTTCNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGAACNNNNNNNTAC	0	
PssI	RGGNC!CY	7	790; 1014; 1022; 1398; 1675; 1683; 5527
PstI	CTGCA!G	1	1205
PstNI	CAGNNN!CTG	4	1259; 3034; 5527; 5935
PsuI	R!GATCY	13	585; 609; 970; 1494; 2351; 2907; 4597; 4843; 5235; 5594; 5606; 5692; 5703
PsyI	GACN!NNGTC	1	4544
PteI	G!CGCGC	1	794
PvuI	CGAT!CG	1	934
PvuII	CAG!CTG	4	1718; 1844; 3924; 4532
RcaI	T!CATGA	2	3852; 5624
RceI	CATCGACNNNNNNNNNNNNNNNNNNNN!	1	4941
RceI	!NNNNNNNNNNNNNNNNNNNGTCGATG	0	
RgaI	GCGAT!CGC	0	
RigI	GGCCGG!CC	0	
RleAI	CCCACANNNNNNNNNNNNNNNNNN!	1	3155
RleAI	!NNNNNNNNNTGTGGG	0	
RpaBI	CCCGCAGNNNNNNNNNNNNNNNNNNNN!	1	724
RpaBI	!NNNNNNNNNNNNNNNNNNNNCTGCGGG	2	1954; 2233
RpaB5I	CGRGGACNNNNNNNNNNNNNNNNNNNN!	0	
RpaB5I	!NNNNNNNNNNNNNNNNNNNGTCCYCG	1	2093
RruI	TCG!CGA	0	
RsaI	GT!AC	13	219; 244; 299; 332; 383; 540; 1193; 1929; 2133; 2412; 2562; 2814; 4732
RsaNI	G!TAC	13	218; 243; 298; 331; 382; 539; 1192; 1928; 2132; 2411; 2561; 2813; 4731
RseI	CAYNN!NNRTG	6	365; 1876; 2043; 2370; 2400; 4863
RsrII	CG!GWCCG	1	4942
Rsr2I	CG!GWCCG	1	4942
SacI	GAGCT!C	1	620
SacII	CCGC!GG	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SaI	G!TCGAC	0	
SapI	GCTCTTCN!	0	
SapI	!NNNNGAAGAGC	2	4770; 4980
SaqAI	T!TAA	17	7; 2386; 2611; 3127; 3188; 3309; 3330; 3341; 3353; 3364; 3381; 3479; 3750; 5569; 5583; 5588; 5640
SatI	GC!NGC	49	640; 831; 918; 987; 1204; 1620; 1716; 1728; 1787; 1818; 1842; 1884; 1887; 2291; 2516; 2567; 2711; 2828; 3009; 3070; 3073; 3203; 3722; 3744; 3758; 4196; 4335; 4387; 4398; 4488; 4493; 4530; 4571; 4658; 4661; 4664; 4900; 4996; 5037; 5051; 5165; 5504; 5519; 5730; 5936; 5939; 6004; 6147; 6302
Sau96I	G!GNCC	29	83; 276; 641; 714; 725; 754; 788; 806; 1011; 1019; 1334; 1396; 1673; 1681; 1808; 1895; 2005; 2087; 2101; 2517; 2760; 2852; 2873; 3533; 4942; 5387; 5433; 5491; 5524
Sau3AI	!GATC	29	585; 609; 661; 931; 970; 1075; 1118; 1494; 2351; 2731; 2881; 2907; 3083; 4263; 4267; 4286; 4597; 4675; 4756; 4765; 4843; 5219; 5235; 5594; 5606; 5684; 5692; 5703; 5778
SbfI	CCTGCA!GG	0	
ScaI	AGT!ACT	0	
SchI	GAGTCNNNNN!	3	2656; 3478; 3910
SchI	!NNNNGACTC	9	404; 598; 1074; 1436; 1682; 3071; 3485; 5091; 5968
SciI	CTC!GAG	1	615
ScrFI	CC!NGG	47	90; 283; 758; 777; 784; 785; 810; 837; 1046; 1133; 1134; 1208; 1266; 1480; 1489; 1656; 1669; 1678; 1806; 1811; 1812; 1893; 1956; 2064; 2091; 2179; 2211; 2301; 2544; 2592; 2688; 2703; 2832; 2941; 3962; 4017; 4034; 4430; 4590; 4813; 5203; 5392; 5495; 5967; 6185; 6198; 6319
SdaI	CCTGCA!GG	0	
SdeAI	CAGRAGNNNNNNNNNNNNNNNNNNNNNN!	8	728; 1637; 2798; 2986; 4004; 4076; 4245; 6187
SdeAI	!NNNNNNNNNNNNNNNNNNNNCTYCTG	3	1436; 4581; 5066
SdeOSI	GACNNNRTGANNNNNNNNNNNN!	1	279
SdeOSI	!NNNNNNNNNNTCAYNNNNNGTC	0	
SdeOSI	TCAYNNNNNGTCNNNNNNNNNNNN!	0	
SdeOSI	!NNNNNNNNNNNGACNNNNRTGA	1	245
SduI	GDGCH!C	29	620; 791; 899; 1156; 1215; 1399; 1487; 1528; 1633; 1676; 1684; 1984; 2073; 2148; 2164; 2317; 2345; 2424; 2451; 2484; 3061; 3617; 4372; 4465; 4539; 4729; 4791; 5501; 6034
SelI	!CGCG	18	58; 658; 794; 1829; 3073; 3348; 3724; 3744; 3768; 3799; 4490; 4791; 5229; 5313; 5376; 5445; 5718; 6299
SetI	ASST!	87	125; 137; 178; 261; 308; 342; 447; 552; 568; 620; 626; 863; 908; 1057; 1251; 1270; 1336; 1493; 1538; 1568; 1575; 1581; 1660; 1702; 1711; 1720; 1732; 1846; 1869; 1891; 1974; 2043; 2076; 2145; 2314; 2383; 2410; 2556; 2577; 2728; 2863; 2881; 2932; 3000; 3004; 3019; 3043; 3116; 3137; 3146; 3158; 3207; 3374; 3489; 3501; 3544; 3581; 3631; 3654; 3778; 3926; 4021; 4214; 4327; 4455; 4534; 4545; 4617; 4688; 4732; 4992; 5138; 5182; 5513; 5544; 5603; 5646; 5789; 5810; 5909; 6046; 6061; 6080; 6092; 6136; 6182; 6233
SexAI	A!CCWGGT	2	1654; 4015
SfaAI	GCGAT!CGC	0	
SfaNI	GCATCNNNNN!	8	1757; 2605; 3242; 4005; 4077; 4725; 4789; 5064
SfaNI	!NNNNNNNNNGATGC	9	357; 875; 1782; 2758; 2926; 4384; 4639; 4855; 6247
SfcI	C!TRYAG	5	1201; 1907; 3761; 5888; 6079
SfiI	GGCCNNNN!NGGCC	1	4201
SfoI	GGC!GCC	2	1924; 4427
Sfr274I	C!TCGAG	1	613
Sfr303I	CCGC!GG	0	
SfuI	TT!CGAA	2	627; 5108

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SgeI	CNNGNNNNNNNNNN!	266	6; 36; 71; 97; 123; 223; 236; 252; 290; 307; 336; 373; 407; 426; 491; 548; 579; 604; 625; 647; 662; 678; 696; 710; 729; 764; 779; 795; 821; 839; 863; 879; 912; 926; 941; 963; 995; 1008; 1026; 1057; 1110; 1124; 1144; 1173; 1196; 1212; 1235; 1258; 1277; 1290; 1314; 1331; 1344; 1361; 1377; 1397; 1413; 1431; 1449; 1470; 1491; 1510; 1542; 1558; 1582; 1598; 1615; 1638; 1667; 1680; 1697; 1722; 1736; 1749; 1817; 1833; 1848; 1870; 1886; 1904; 1926; 1946; 1967; 1984; 2009; 2023; 2039; 2053; 2068; 2096; 2111; 2127; 2150; 2180; 2196; 2211; 2228; 2252; 2267; 2312; 2350; 2370; 2390; 2408; 2426; 2456; 2480; 2498; 2513; 2555; 2570; 2603; 2637; 2650; 2678; 2699; 2714; 2741; 2775; 2796; 2816; 2829; 2843; 2861; 2874; 2891; 2924; 2945; 2979; 3017; 3040; 3058; 3086; 3133; 3162; 3204; 3287; 3361; 3445; 3467; 3499; 3536; 3554; 3573; 3588; 3630; 3647; 3664; 3699; 3713; 3730; 3752; 3776; 3800; 3865; 3879; 3917; 3933; 3973; 3986; 4005; 4028; 4045; 4058; 4077; 4107; 4128; 4145; 4168; 4203; 4230; 4261; 4283; 4309; 4331; 4350; 4378; 4414; 4433; 4456; 4470; 4490; 4503; 4517; 4536; 4550; 4569; 4601; 4615; 4628; 4654; 4685; 4698; 4715; 4732; 4746; 4763; 4781; 4796; 4824; 4840; 4859; 4881; 4897; 4920; 4939; 4964; 4983; 5003; 5030; 5054; 5087; 5106; 5134; 5148; 5214; 5238; 5253; 5276; 5297; 5314; 5362; 5389; 5403; 5432; 5456; 5489; 5506; 5526; 5539; 5552; 5610; 5637; 5656; 5686; 5711; 5731; 5745; 5770; 5788; 5825; 5863; 5892; 5920; 5934; 5954; 5969; 5990; 6004; 6023; 6041; 6057; 6097; 6117; 6144; 6162; 6183; 6196; 6209; 6226; 6250; 6273; 6305; 6330; 6357; 6379
SgeI	!NNNNNNNNNNNNCNG	228	10; 45; 71; 97; 197; 226; 264; 281; 310; 347; 381; 400; 465; 522; 553; 578; 599; 621; 643; 663; 684; 703; 738; 762; 781; 813; 837; 857; 886; 915; 937; 969; 1000; 1031; 1084; 1118; 1147; 1170; 1193; 1217; 1239; 1258; 1275; 1299; 1318; 1335; 1371; 1399; 1423; 1444; 1465; 1484; 1516; 1538; 1556; 1589; 1612; 1641; 1663; 1696; 1723; 1791; 1816; 1844; 1878; 1900; 1920; 1941; 1958; 1983; 2001; 2027; 2049; 2070; 2101; 2124; 2154; 2185; 2202; 2226; 2250; 2286; 2324; 2344; 2364; 2382; 2400; 2430; 2454; 2472; 2496; 2529; 2577; 2611; 2652; 2673; 2715; 2749; 2770; 2790; 2817; 2835; 2856; 2877; 2898; 2919; 2953; 2991; 3014; 3032; 3060; 3107; 3136; 3178; 3261; 3335; 3419; 3441; 3473; 3510; 3528; 3547; 3604; 3621; 3638; 3673; 3691; 3711; 3731; 3750; 3774; 3839; 3891; 3947; 3979; 4002; 4019; 4051; 4081; 4102; 4119; 4142; 4177; 4204; 4235; 4257; 4283; 4305; 4324; 4352; 4388; 4407; 4430; 4451; 4469; 4486; 4510; 4543; 4575; 4602; 4628; 4659; 4689; 4706; 4732; 4755; 4776; 4798; 4818; 4838; 4855; 4894; 4913; 4938; 4957; 4977; 5004; 5028; 5061; 5080; 5108; 5130; 5188; 5212; 5231; 5250; 5271; 5288; 5336; 5363; 5383; 5406; 5430; 5463; 5480; 5500; 5526; 5584; 5611; 5630; 5660; 5685; 5705; 5744; 5762; 5799; 5837; 5866; 5894; 5915; 5943; 5964; 5997; 6015; 6071; 6091; 6118; 6136; 6157; 6183; 6200; 6224; 6247; 6279; 6304; 6331; 6353; 6382
SgfI	GCGAT!CGC	0	
SgrAI	CR!CCGGYG	0	
SgrBI	CCGC!GG	0	
SgrDI	CG!TCGACG	0	
SgsI	GG!CGCGCC	0	
SimI	GG!GTC	5	27; 1501; 3573; 5360; 6153
SimI	!GACCC	7	106; 1357; 1720; 2806; 4854; 5422; 5670
SinI	G!GWCC	4	1334; 2087; 4942; 5387
SlaI	C!TCGAG	1	613
SmaI	CCC!GGG	3	785; 1134; 1812
SmiI	ATTT!AAAT	0	
SmiMI	CAYNN!NNRTG	6	365; 1876; 2043; 2370; 2400; 4863
SmlI	C!TYRAG	8	613; 619; 2931; 3308; 4817; 5699; 5976; 6238
SmoI	C!TYRAG	8	613; 619; 2931; 3308; 4817; 5699; 5976; 6238
SmuI	CCCGCNNNN!	18	93; 119; 286; 654; 665; 706; 835; 922; 991; 2035; 2064; 2825; 2927; 3748; 4103; 4124; 5320; 5452
SmuI	!NNNNNNGCGGG	8	1968; 2247; 2862; 3679; 4549; 5086; 5224; 5371
SnaBI	TAC!GTA	1	340
SpeI	A!CTAGT	0	
SphI	GCATG!C	4	2000; 3996; 4068; 4831
SrfI	GCCC!GGGC	1	1812

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Sse9I	!AATT	12	18; 629; 1518; 3176; 3240; 3318; 3344; 3355; 4002; 4074; 4166; 5584
Sse8387I	CCTGCA!GG	0	
Sse8647I	AG!GWCCT	0	
SseBI	AGG!CCT	3	2019; 2796; 4247
SsiI	C!CGC	49	58; 86; 98; 112; 279; 507; 589; 647; 658; 699; 828; 831; 915; 918; 984; 987; 1029; 1829; 1994; 2028; 2057; 2680; 2818; 2920; 3073; 3741; 3744; 3758; 3848; 4096; 4108; 4117; 4129; 4139; 4150; 4196; 4335; 4398; 4900; 4945; 5011; 5037; 5162; 5165; 5313; 5445; 5752; 5896; 6392
SsiI	G!CGG	32	370; 403; 528; 639; 1786; 1975; 2254; 2505; 2515; 2827; 2869; 3069; 3686; 3713; 3801; 3911; 4492; 4556; 4657; 4660; 4940; 4995; 5093; 5231; 5378; 5518; 5761; 6006; 6127; 6146; 6273; 6301
SspI	AAT!ATT	2	3334; 3887
SspDI	G!GCGCC	2	1922; 4425
SspD5I	GGTGANNNNNNNN!	6	376; 1067; 2384; 2753; 5497; 5613
SspD5I	!NNNNNNNNNTCACC	7	1567; 1855; 2015; 2029; 2641; 3542; 4603
SstI	GAGCT!C	1	620
SstII	CCGC!GG	0	
SstE37I	CGAAGACNNNNNNNNNNNNNNNNNNNNNNNN!	1	2686
SstE37I	!NNNNNNNNNNNNNNNNNNNGTCTTCG	0	
Sth132I	CCCGNNNN!	40	92; 118; 285; 653; 664; 673; 705; 783; 834; 843; 921; 936; 990; 1139; 1397; 1537; 1610; 1633; 1817; 2034; 2063; 2122; 2145; 2608; 2632; 2824; 2926; 2947; 3625; 3747; 4102; 4123; 4436; 4839; 4978; 5049; 5319; 5451; 5681; 6119
Sth132I	!NNNNNNNNCCGGG	28	15; 407; 470; 776; 801; 1125; 1199; 1803; 1967; 2002; 2246; 2657; 2861; 3626; 3678; 3779; 4506; 4548; 4581; 5085; 5194; 5223; 5370; 5474; 5505; 5958; 6002; 6210
Sth302II	CC!GG	34	602; 685; 753; 778; 785; 810; 838; 997; 1134; 1208; 1273; 1279; 1414; 1639; 1812; 2100; 2359; 2942; 3645; 4332; 4409; 4431; 4459; 4590; 4680; 4747; 4928; 5203; 5211; 5303; 5777; 5967; 5993; 6140
StrI	C!TCGAG	1	613
StsI	GGATGNNNNNNNNNN!	6	889; 1114; 4294; 4751; 4776; 5230
StsI	!NNNNNNNNNNNNNNNNCATCC	6	1734; 2437; 2525; 2582; 2737; 4098
StuI	AGG!CCT	3	2019; 2796; 4247
StyI	C!CWWGG	8	360; 634; 1230; 2368; 4155; 4248; 4858; 5263
StyD4I	!CCNGG	47	88; 281; 756; 775; 782; 783; 808; 835; 1044; 1131; 1132; 1206; 1264; 1478; 1487; 1654; 1667; 1676; 1804; 1809; 1810; 1891; 1954; 2062; 2089; 2177; 2209; 2299; 2542; 2590; 2686; 2701; 2830; 2939; 3960; 4015; 4032; 4428; 4588; 4811; 5201; 5390; 5493; 5965; 6183; 6196; 6317
SwaI	ATTT!AAAT	0	
TaaI	ACN!GT	19	76; 198; 269; 543; 581; 1297; 1911; 2109; 2195; 2307; 2426; 3517; 4806; 4922; 5030; 5353; 5844; 6314; 6385
TaiI	ACGT!	17	125; 137; 178; 261; 342; 447; 2314; 2728; 3004; 3489; 3501; 3544; 3654; 4545; 4732; 5513; 5646
TaqI	T!CGA	19	614; 627; 934; 1078; 2268; 2509; 2536; 3004; 3575; 4266; 4539; 4695; 4719; 4755; 4917; 5108; 5153; 5408; 6246
TaqII	GACCGANNNNNNNNNNNN!	3	3446; 4463; 5131
TaqII	!NNNNNNNNNTCGGTC	2	662; 5375
TaqII	CACCCANNNNNNNNNNNN!	3	1398; 2499; 2604
TaqII	!NNNNNNNNNTGGGTG	3	172; 4330; 4922
TasI	!AATT	12	18; 629; 1518; 3176; 3240; 3318; 3344; 3355; 4002; 4074; 4166; 5584
TatI	W!GTACW	5	217; 297; 330; 381; 2410
TauI	GCSG!C	24	642; 833; 920; 989; 1789; 2518; 2830; 3072; 3075; 3746; 3760; 4198; 4337; 4400; 4495; 4660; 4663; 4902; 4998; 5039; 5167; 5521; 6149; 6304
TfiI	G!AWTC	9	743; 939; 2497; 2974; 4911; 5045; 5155; 5192; 6370
TliI	C!TCGAG	1	613
TruII	T!TAA	17	7; 2386; 2611; 3127; 3188; 3309; 3330; 3341; 3353; 3364; 3381; 3479; 3750; 5569; 5583; 5588; 5640
Tru9I	T!TAA	17	7; 2386; 2611; 3127; 3188; 3309; 3330; 3341; 3353; 3364; 3381; 3479; 3750; 5569; 5583; 5588; 5640
TscAI	CASTGNN!	14	1099; 1168; 1444; 1881; 1952; 1994; 2037; 2112; 2339; 3272; 4555; 5665; 5936; 5949

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
TseI	G!CWGC	25	1203; 1619; 1715; 1727; 1817; 1841; 1883; 1886; 2290; 2566; 2710; 3008; 3202; 3721; 4386; 4487; 4529; 4570; 4663; 5050; 5503; 5729; 5935; 5938; 6003
TsoI	TARCCANNNNNNNNNN!	2	3398; 3745
TsoI	!NNNNNNNNNTGGYTA	4	1365; 2535; 3203; 4955
Tsp45I	!GTSAC	7	1439; 1501; 2307; 2648; 3715; 4546; 4852
Tsp509I	!AATT	12	18; 629; 1518; 3176; 3240; 3318; 3344; 3355; 4002; 4074; 4166; 5584
TspDTI	ATGAANNNNNNNNNN!	5	2244; 2418; 3184; 4485; 5189
TspDTI	!NNNNNNNNNTTCAT	7	26; 2069; 2546; 2567; 4903; 5359; 5566
TspEI	!AATT	12	18; 629; 1518; 3176; 3240; 3318; 3344; 3355; 4002; 4074; 4166; 5584
TspGWI	ACGGANNNNNNNNNN!	2	2364; 5301
TspGWI	!NNNNNNNNNTCCGT	1	2138
TspMI	C!CCGGG	3	783; 1132; 1810
TspRI	CASTGNN!	14	1099; 1168; 1444; 1881; 1952; 1994; 2037; 2112; 2339; 3272; 4555; 5665; 5936; 5949
TstI	CACNNNNNTCCNNNNNNNNNN!	0	
TstI	!NNNNNNNGGANNNNNNNGTG	0	
TstI	GGANNNNNGTGNNNNNNNNNNNN!	0	
TstI	!NNNNNNNCCACNNNNNTCC	0	
Tth111I	GACN!NNGTC	1	4544
Tth111II	CAARCANNNNNNNNNN!	2	2142; 5753
Tth111II	!NNNNNNNNNTGYTTG	3	4861; 5721; 5760
UnbI	!GGNCC	29	82; 275; 640; 713; 724; 753; 787; 805; 1010; 1018; 1333; 1395; 1672; 1680; 1807; 1894; 2004; 2086; 2100; 2516; 2759; 2851; 2872; 3532; 4941; 5386; 5432; 5490; 5523
Van91I	CCANNNN!NTGG	0	
Vha464I	C!TTAAG	1	3308
VneI	G!TGCAC	2	2447; 6030
VpaK11AI	!GGWCC	4	1333; 2086; 4941; 5386
VpaK11BI	G!GWCC	4	1334; 2087; 4942; 5387
VspI	AT!TAAT	1	7
XagI	CCTNN!NNNAGG	0	
XapI	R!AATTY	4	629; 3240; 3344; 3355
XbaI	T!CTAGA	1	3080
XceI	RCATG!Y	6	2000; 2399; 3996; 4068; 4831; 6348
XcmI	CCANNNNN!NNNTGG	0	
XhoI	C!TCGAG	1	613
XhoII	R!GATCY	13	585; 609; 970; 1494; 2351; 2907; 4597; 4843; 5235; 5594; 5606; 5692; 5703
XmaI	C!CCGGG	3	783; 1132; 1810
XmaJI	C!CTAGG	2	4248; 5263
XmiI	GT!MKAC	1	2947
XmnI	GAANN!NNTTC	4	708; 747; 844; 943
XspI	C!TAG	11	592; 1836; 2338; 3046; 3081; 3275; 3693; 4249; 5264; 5598; 5851
ZraI	GAC!GTC	4	123; 176; 259; 445
ZrmI	AGT!ACT	0	
Zsp2I	ATGCA!T	3	3998; 4070; 6401