

## pTagFP635-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	3224; 3429
AarI	CACCTGCNNNN!	2	1875; 1980
AarI	!NNNNNNNNGCAGGTG	0	
AasI	GACNNNN!NNGTC	3	3512; 4468; 6257
AatI	AGG!CCT	3	2019; 2805; 4262
AatII	GACGT!C	4	125; 178; 261; 447
AbsI	CC!TCGAGG	0	
AccI	GT!MKAC	1	2956
AccII	CG!CG	18	60; 660; 796; 1831; 3090; 3365; 3741; 3761; 3785; 3816; 4507; 4808; 5246; 5330; 5393; 5462; 5735; 6316
AccIII	T!CCGGA	1	995
Acc16I	TGC!GCA	2	1882; 4543
Acc36I	ACCTGCNNNN!	4	1875; 1980; 4709; 5159
Acc36I	!NNNNNNNNGCAGGT	1	4328
Acc65I	G!GTACC	0	
AccB1I	G!GYRCC	11	465; 779; 906; 1525; 1922; 2070; 2430; 2490; 3594; 4440; 4475
AccB7I	CCANNNN!NTGG	0	
AccBSI	CCG!CTC	2	3865; 5054
AccBSI	GAG!CGG	3	3084; 3701; 5108
AceIII	CAGCTCNNNNNNN!	3	1259; 1899; 3397
AceIII	!NNNNNNNNNNGAGCTG	3	552; 1695; 2376
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; 2689; 2827; 2929; 3088; 3756; 3759; 3773; 3863; 4111; 4123; 4132; 4144; 4154; 4165; 4211; 4350; 4413; 4915; 4960; 5026; 5052; 5177; 5180; 5328; 5460; 5767; 5911; 6407
AciI	G!CGG	31	370; 403; 528; 639; 1786; 1975; 2254; 2524; 2836; 2878; 3084; 3701; 3728; 3816; 3926; 4507; 4571; 4672; 4675; 4955; 5010; 5108; 5246; 5393; 5533; 5776; 6021; 6142; 6161; 6288; 6316
AclI	AA!CGTT	0	
AclWI	GGATCNNNN!	9	1502; 2359; 4309; 4620; 4866; 5258; 5617; 5715; 5801
AclWI	!NNNNNGATCC	9	580; 656; 1113; 2346; 2911; 4685; 5229; 5616; 5713
AcoI	Y!GGCCR	9	1165; 1787; 2180; 3034; 3085; 4347; 4521; 4912; 4939
AcsI	R!AATY	4	629; 3255; 3359; 3370
AcuI	CTGAAGNNNNNNNNNNNNNNN!	4	1713; 2886; 4587; 5019
AcuI	!NNNNNNNNNNNNNNCTTCAG	1	5817
AcvI	CAC!GTG	1	2312
AcyI	GR!CGYC	9	122; 175; 258; 444; 1923; 2953; 4441; 5143; 5222
AdeI	CACNNN!GTG	3	1628; 3026; 3557
AfaI	GT!AC	13	219; 244; 299; 332; 383; 540; 1193; 1929; 2133; 2421; 2571; 2823; 4747
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; 2487; 2600; 2766; 2832; 3453; 3779; 4171; 4422; 4966; 5247; 5279; 5411; 5446; 5496; 5528; 5881; 6160; 6326; 6344
AfiII	C!TTAAG	1	3323
AfiIII	A!CRYGT	1	6359
AgeI	A!CCGGT	1	2357
AgsI	TTS!AA	8	1127; 2453; 2903; 3852; 3896; 3906; 4319; 5895
AhdI	GACNNN!NNGTC	1	1085
AhI	A!CTAGT	0	
AjiI	CAC!GTC	0	
AjiI	GAC!GTG	0	

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Ajnl	!CCWGG	32	88; 281; 756; 1044; 1264; 1478; 1487; 1654; 1667; 1676; 1804; 1891; 1954; 2062; 2089; 2177; 2209; 2299; 2551; 2599; 2695; 2710; 2839; 3975; 4030; 4047; 4826; 5405; 5508; 6198; 6211; 6332
AjuI	GAANNNTTGGNNNNNNNNNN!	0	
AjuI	!NNNNNCCAANNNTTTC	0	
AjuI	CCAANNNTTCCNNNNNNNNNN!	0	
AjuI	!NNNNNNGAANNNTTGG	0	
AleI	CACNN!NNGTG	3	1876; 2043; 2370
AlfI	GCANNNTGCGNNNNNNNNNN!	2	4015; 4087
AlfI	!NNNNNNNNNGCANNNTGTC	2	3981; 4053
AloI	GAACNNNTTCCNNNNNNNNNN!	2	2777; 3523
AloI	!NNNNNNGGANNNTTTC	0	
AloI	GGANNNTGTCNNNNNNNNNN!	0	
AloI	!NNNNNNGAACNNNTTCC	2	2745; 3491
AluI	AG!CT	26	566; 618; 624; 1249; 1536; 1573; 1709; 1718; 1730; 1844; 1889; 2390; 2417; 2563; 2870; 3220; 3387; 3644; 3939; 4227; 4547; 5005; 5802; 6059; 6105; 6195
AluBI	AG!CT	26	566; 618; 624; 1249; 1536; 1573; 1709; 1718; 1730; 1844; 1889; 2390; 2417; 2563; 2870; 3220; 3387; 3644; 3939; 4227; 4547; 5005; 5802; 6059; 6105; 6195
AlwI	GGATCNNNN!	9	1502; 2359; 4309; 4620; 4866; 5258; 5617; 5715; 5801
AlwI	!NNNNNGATCC	9	580; 656; 1113; 2346; 2911; 4685; 5229; 5616; 5713
Alw21I	GWGCW!C	8	620; 899; 2148; 2317; 2460; 4554; 4744; 6049
Alw26I	GTCTCN!	3	434; 658; 680
Alw26I	!NNNNNGAGAC	6	2184; 2997; 3865; 4283; 5302; 5430
Alw44I	G!TGCAC	2	2456; 6045
AlwNI	CAGNN!CTG	4	1259; 3043; 5542; 5950
Ama87I	C!YCGRG	7	613; 783; 1132; 1390; 1603; 1810; 2138
Aor13HI	T!CCGGA	1	995
Aor51HI	AGC!GCT	1	596
ApaI	GGGCC!C	4	791; 1399; 1676; 1684
ApaBI	GCANNNN!TGC	6	895; 1629; 1734; 4009; 4081; 5543
ApaLI	G!TGCAC	2	2456; 6045
ApeKI	G!CWGC	25	1203; 1619; 1715; 1727; 1817; 1841; 1883; 1886; 2290; 2575; 2719; 3017; 3217; 3736; 4401; 4502; 4544; 4585; 4678; 5065; 5518; 5744; 5950; 5953; 6018
ApoI	R!AATY	4	629; 3255; 3359; 3370
ApyPI	ATCGACNNNNNNNNNNNNNNNN!	2	1102; 4956
ApyPI	!NNNNNNNNNNNNNNNNNGTCGAT	4	2248; 4750; 5403; 6241
AquII	GCCGNACNNNNNNNNNNNNNNNN!	2	1951; 4840
AquII	!NNNNNNNNNNNNNNNNNGTNCGGC	2	691; 2551
AquIII	GAGGAGNNNNNNNNNNNNNNNN!	4	988; 1024; 1729; 4269
AquIII	!NNNNNNNNNNNNNNNNNCTCCTC	1	972
AquIV	GRGGAAGNNNNNNNNNNNNNNNN!	0	
AquIV	!NNNNNNNNNNNNNNNNNCTCCYC	3	961; 2276; 5011
ArsI	GACNNNNNTTYGNNNNNNNNNN!	0	
ArsI	!NNNNNCRAANNNTGTC	0	
ArsI	CRAANNNTGTCNNNNNNNNNN!	0	
ArsI	!NNNNNNGACNNNNNTTYG	0	
AscI	GG!CGCGCC	0	
AseI	AT!TAAT	1	7
Asi256I	G!ATC	29	586; 610; 662; 932; 971; 1076; 1119; 1495; 2352; 2741; 2891; 2917; 3099; 4279; 4283; 4302; 4613; 4691; 4772; 4781; 4859; 5235; 5251; 5610; 5622; 5700; 5708; 5719; 5794
AsiGI	A!CCGGT	1	2357
AsiSI	GCGAT!CGC	0	
AspI	GACN!NNGTC	1	4559
Asp700I	GAANN!NNTTC	4	708; 747; 844; 943
Asp718I	G!GTACC	0	
AspA2I	C!CTAGG	2	4263; 5278
AspEI	GACNN!NNGTC	1	1085
AspLEI	GCG!C	30	597; 796; 798; 956; 1663; 1817; 1833; 1883; 1925; 2055; 3707; 3715; 3741; 3763; 3772; 3785; 3816; 4435; 4443; 4507; 4544; 4810; 5070; 5246; 5332; 5735; 5844; 6018; 6118; 6185

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
AspS9I	G!GNCC	29	83; 276; 641; 714; 725; 754; 788; 806; 1011; 1019; 1334; 1396; 1673; 1681; 1808; 1895; 2005; 2087; 2101; 2526; 2769; 2861; 2882; 3548; 4957; 5402; 5448; 5506; 5539
AssI	AGT!ACT	0	
AsuII	TT!CGAA	2	627; 5123
AsuC2I	CC!SGG	15	777; 784; 785; 810; 837; 1133; 1134; 1208; 1811; 1812; 2950; 4445; 4605; 5218; 5982
AsuHPI	GGTGANNNNNNNN!	5	376; 1067; 2762; 5512; 5628
AsuHPI	!NNNNNNNTCACC	7	1568; 1856; 2016; 2030; 2651; 3558; 4619
AsuNHI	G!CTAGC	1	591
AvaI	C!YCGRG	7	613; 783; 1132; 1390; 1603; 1810; 2138
AvaII	G!GWCC	4	1334; 2087; 4957; 5402
AviII	TGC!GCA	2	1882; 4543
AvrII	C!CTAGG	2	4263; 5278
AxyI	CC!TNAGG	5	1015; 1330; 2635; 3921; 5553
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; 2433; 2460; 2493; 3070; 4387; 4480; 6049
BalI	TGG!CCA	3	1167; 3036; 4523
BamHI	G!GATCC	1	2351
BanI	G!GYRCC	11	465; 779; 906; 1525; 1922; 2070; 2430; 2490; 3594; 4440; 4475
BanII	GRGCY!C	12	620; 791; 1399; 1487; 1676; 1684; 1984; 2164; 2345; 3632; 4806; 5516
BanIII	AT!CGAT	1	4281
BarI	GAAGNNNNNTACNNNNNNNNNN!	1	2927
BarI	!NNNNNNNGTANNNNNNCTTC	0	
BarI	GTANNNNNNCTTCNNNNNNNNNN!	0	
BarI	!NNNNNNNGAAGNNNNNTAC	1	2895
BasI	CCANNN!NTGG	0	
BauI	C!ACGAG	3	3021; 5159; 6186
BauI	C!TCGTG	2	2871; 5033
BbeI	GGCGC!C	2	1926; 4444
Bbr7I	GAAGACNNNNNN!	4	852; 2682; 2915; 2983
Bbr7I	!NNNNNNNNNNNGTCTTC	0	
BbrPI	CAC!GTG	1	2312
BbsI	GAAGACNN!	4	847; 2677; 2910; 2978
BbsI	!NNNNNNGTCTTC	0	
BbuI	GCATG!C	4	2000; 4011; 4083; 4846
BbvI	GCAGCNNNNNN!	14	1215; 1631; 1727; 1829; 1853; 1895; 2587; 3029; 3229; 4514; 4556; 5077; 5530; 6030
BbvI	!NNNNNNNNNNNGCTGC	8	2277; 2706; 3723; 4388; 4572; 4665; 5731; 5937
Bbv12I	GWGCW!C	8	620; 899; 2148; 2317; 2460; 4554; 4744; 6049
BbvCI	CC!TCAGC	0	
BbvCI	GC!TGAGG	1	2001
BccI	CCATCNNNN!	8	1804; 1992; 2172; 2768; 3571; 4135; 4661; 5163
BccI	!NNNNNGATGG	5	797; 870; 3539; 4319; 4747
BceAI	ACGGCNNNNNNNNNN!	6	2588; 2732; 2783; 2849; 4867; 5354
BceAI	!NNNNNNNNNNNNNGCCGT	5	1809; 1910; 3582; 4400; 5859
BceFI	ACGGCNNNNNNNNNN!	6	2588; 2732; 2783; 2849; 4867; 5354
BceFI	!NNNNNNNNNNNNNGCCGT	5	1810; 1911; 3583; 4401; 5860
BcgI	CGANNNNNTGCNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNNGCANNNNNTCG	0	
BcgI	GCANNNNNTGCNNNNNNNNNN!	0	
BcgI	!NNNNNNNNNNCGANNNNNTGC	0	
BciVI	GTATCCNNNNNN!	3	3870; 4660; 6161
BciVI	!NNNNNGGATAC	0	
BclI	T!GATCA	0	
BcnI	CC!SGG	15	777; 784; 785; 810; 837; 1133; 1134; 1208; 1811; 1812; 2950; 4445; 4605; 5218; 5982
BcuI	A!CTAGT	0	
BdaI	TGANNNNNTCANNNNNNNNNN!	1	6294
BdaI	!NNNNNNNNNTGANNNNNTCA	1	6260

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BfaI	C!TAG	11	592; 1836; 2338; 3055; 3096; 3290; 3708; 4264; 5279; 5613; 5866
BfiI	ACTGGGNNNNN!	1	4390
BfiI	!NNNNCCCAGT	2	289; 4142
BfmI	C!TRYAG	5	1201; 1907; 3776; 5903; 6094
BfoI	RGCGC!Y	6	598; 1926; 3708; 3716; 4444; 6119
BfrI	C!TTAAG	1	3323
BfuI	GTATCCNNNNNN!	3	3870; 4660; 6161
BfuI	!NNNNNGGATAC	0	
BfuAI	ACCTGCNNNN!	4	1875; 1980; 4709; 5159
BfuAI	!NNNNNNNNNGCAGGT	1	4328
BfuCI	!GATC	29	585; 609; 661; 931; 970; 1075; 1118; 1494; 2351; 2740; 2890; 2916; 3098; 4278; 4282; 4301; 4612; 4690; 4771; 4780; 4858; 5234; 5250; 5609; 5621; 5699; 5707; 5718; 5793
BglI	GCCNNNN!NGGC	7	90; 212; 283; 814; 1394; 2845; 4216
BglII	A!GATCT	2	609; 970
BisI	GC!NGC	49	640; 831; 918; 987; 1204; 1620; 1716; 1728; 1787; 1818; 1842; 1884; 1887; 2291; 2525; 2576; 2720; 2837; 3018; 3085; 3088; 3218; 3737; 3759; 3773; 4211; 4350; 4402; 4413; 4503; 4508; 4545; 4586; 4673; 4676; 4679; 4915; 5011; 5052; 5066; 5180; 5519; 5534; 5745; 5951; 5954; 6019; 6162; 6317
BlnI	C!CTAGG	2	4263; 5278
BlpI	GC!TNAGC	0	
BlsI	GCN!GC	49	641; 832; 919; 988; 1205; 1621; 1717; 1729; 1788; 1819; 1843; 1885; 1888; 2292; 2526; 2577; 2721; 2838; 3019; 3086; 3089; 3219; 3738; 3760; 3774; 4212; 4351; 4403; 4414; 4504; 4509; 4546; 4587; 4674; 4677; 4680; 4916; 5012; 5053; 5067; 5181; 5520; 5535; 5746; 5952; 5955; 6020; 6163; 6318
BmcAI	AGT!ACT	0	
Bme18I	G!GWCC	4	1334; 2087; 4957; 5402
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; 2553; 2601; 2697; 2712; 2841; 2950; 3977; 4032; 4049; 4445; 4605; 4828; 5218; 5407; 5510; 5982; 6200; 6213; 6334
BmeRI	GACNNN!NNGTC	1	1085
BmeT110I	C!YCGRG	7	613; 783; 1132; 1390; 1603; 1810; 2138
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; 2527; 2770; 2862; 2883; 3549; 4958; 5403; 5449; 5507; 5540
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; 2432; 2492; 2883; 3596; 3617; 3629; 3820; 3981; 4053; 4442; 4477; 5325; 5404; 5449; 6292; 6331
BmrI	ACTGGGNNNNN!	1	4390
BmrI	!NNNNCCCAGT	2	289; 4142
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; 2553; 2601; 2697; 2712; 2841; 2950; 3977; 4032; 4049; 4445; 4605; 4828; 5218; 5407; 5510; 5982; 6200; 6213; 6334
BmsI	GCATCNNNNN!	8	1757; 2614; 3257; 4020; 4092; 4740; 4804; 5079
BmsI	!NNNNNNNNNGATGC	10	357; 875; 1782; 2767; 2806; 2935; 4399; 4654; 4870; 6262
BmtI	GCTAG!C	1	595
BmuI	ACTGGGNNNNN!	1	4390
BmuI	!NNNNCCCAGT	2	289; 4142
BoxI	GACNN!NNGTC	1	3009
BpiI	GAAGACNN!	4	847; 2677; 2910; 2978
BpiI	!NNNNNNGTCTTC	0	
BpII	GAGNNNNNCTCNNNNNNNNNNNN!	4	1097; 2090; 4230; 5129
BpII	!NNNNNNNNNGAGNNNNNNCTC	4	1065; 2058; 4198; 5097
BpmI	CTGGAGNNNNNNNNNNNNNNNNNN!	7	981; 1501; 1731; 1935; 1977; 2085; 5281
BpmI	!NNNNNNNNNNNNNNNNCTCCAG	4	1402; 1875; 2694; 5224
Bpu10I	CC!TNAGC	1	2173
Bpu10I	GC!TNAGG	1	2001
Bpu14I	TT!CGAA	2	627; 5123

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Bpu1102I	GC!TNAGC	0	
BpuAI	GAAGACNN!	4	847; 2677; 2910; 2978
BpuAI	!NNNNNNGTCTTC	0	
BpuEI	CTTGAGNNNNNNNNNNNNNNNN!	2	5735; 6274
BpuEI	!NNNNNNNNNNNNNNNCTCAAG	4	604; 2925; 4817; 5976
BpuMI	CC!SGG	15	777; 784; 785; 810; 837; 1133; 1134; 1208; 1811; 1812; 2950; 4445; 4605; 5218; 5982
BpvUI	CGAT!CG	1	934
BsaI	GGTCTCN!	1	680
BsaI	!NNNNNGAGACC	2	2997; 5430
Bsa29I	AT!CGAT	1	4281
BsaAI	YAC!GTR	4	340; 2312; 3557; 4745
BsaBI	GATNN!NNATC	2	3103; 4300
BsaHI	GR!CGYC	9	122; 175; 258; 444; 1923; 2953; 4441; 5143; 5222
BsaJI	C!CNNGG	47	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; 2464; 2599; 2600; 2695; 3975; 4047; 4170; 4205; 4214; 4263; 4604; 4873; 5278; 5405; 5406; 5508; 5509; 6199
BsaMI	GAATGCN!	1	3192
BsaMI	G!CATTC	1	3285
BsaWI	W!CCGGW	7	600; 995; 2357; 4472; 5316; 6006; 6153
BsaXI	ACNNNNNCTCCNNNNNNNNNN!	1	3521
BsaXI	!NNNNNNNGGAGNNNNNNGT	0	
BsaXI	GGAGNNNNNNGTNNNNNNNNNN!	0	
BsaXI	!NNNNNNNNNACNNNNNCTCC	1	3491
BsbI	CAACACNNNNNNNNNNNNNNNNNN!	0	
BsbI	!NNNNNNNNNNNNNNNNNNGTGTG	2	3442; 5349
Bsc4I	CCNNNNN!NNGG	36	49; 671; 722; 758; 783; 870; 935; 1163; 1206; 1271; 1591; 1610; 1655; 1810; 2063; 2178; 2304; 2487; 2600; 2766; 2832; 3453; 3779; 4171; 4422; 4966; 5247; 5279; 5411; 5446; 5496; 5528; 5881; 6160; 6326; 6344
BscAI	GCATCNNNN!	8	1756; 2613; 3256; 4019; 4091; 4739; 4803; 5078
BscAI	!NNNNNNGATGC	10	360; 878; 1785; 2770; 2809; 2938; 4402; 4657; 4873; 6265
Bse1I	ACTGGN!	4	2980; 4385; 4586; 5832
Bse1I	C!CAGT	10	295; 1161; 1189; 1349; 1437; 1874; 3470; 4148; 5944; 5957
Bse8I	GATNN!NNATC	2	3103; 4300
Bse21I	CC!TNAGG	5	1015; 1330; 2635; 3921; 5553
Bse118I	R!CCGGY	7	1637; 2098; 2357; 3658; 4760; 4941; 5224
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; 2553; 2601; 2697; 2712; 2841; 3977; 4032; 4049; 4828; 5407; 5510; 6200; 6213; 6334
BseCI	AT!CGAT	1	4281
BseDI	C!CNNGG	47	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; 2464; 2599; 2600; 2695; 3975; 4047; 4170; 4205; 4214; 4263; 4604; 4873; 5278; 5405; 5406; 5508; 5509; 6199
Bse3DI	GCAATGNN!	1	4674
Bse3DI	!CATTGC	0	
BseGI	GGATGNN!	6	881; 1106; 4301; 4758; 4783; 5237
BseGI	!CATCC	6	1748; 2460; 2548; 2605; 2760; 4127
BseJI	GATNN!NNATC	2	3103; 4300
BseLI	CCNNNNN!NNGG	36	49; 671; 722; 758; 783; 870; 935; 1163; 1206; 1271; 1591; 1610; 1655; 1810; 2063; 2178; 2304; 2487; 2600; 2766; 2832; 3453; 3779; 4171; 4422; 4966; 5247; 5279; 5411; 5446; 5496; 5528; 5881; 6160; 6326; 6344
BseMI	GCAATGNN!	1	4674
BseMI	!CATTGC	0	
BseMII	CTCAGNNNNNNNNNN!	6	620; 1296; 1344; 1656; 1767; 5567
BseMII	!NNNNNNNNNCTGAG	10	1006; 1992; 2149; 2164; 2626; 3912; 4214; 5095; 5667; 6076
BseNI	ACTGGN!	4	2980; 4385; 4586; 5832
BseNI	C!CAGT	10	295; 1161; 1189; 1349; 1437; 1874; 3470; 4148; 5944; 5957
BsePI	G!CGCGC	1	794
BseRI	GAGGAGNNNNNNNNNN!	4	978; 1014; 1719; 4259

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; 2433; 2460; 2493; 3070; 4387; 4480; 6049
BseXI	GCAGC NNNNNNNN!	14	1215; 1631; 1727; 1829; 1853; 1895; 2587; 3029; 3229; 4514; 4556; 5077; 5530; 6030
BseXI	!NNNNNNNNNNNGCTGC	8	2277; 2706; 3723; 4388; 4572; 4665; 5731; 5937
BseX3I	C!GGCCG	3	1787; 3085; 4347
BseYI	C!CCAGC	13	790; 1252; 1312; 1318; 1360; 1384; 1400; 1569; 1585; 1723; 3984; 4056; 6055
BseYI	G!CTGGG	3	870; 2797; 4945
BsgI	GTGCAGNNNNNNNNNNNNNNN!	1	1629
BsgI	!NNNNNNNNNNNNNNCTGCAC	0	
Bsh1236I	CG!CG	18	60; 660; 796; 1831; 3090; 3365; 3741; 3761; 3785; 3816; 4507; 4808; 5246; 5330; 5393; 5462; 5735; 6316
Bsh1285I	CGRY!CG	6	934; 1790; 2362; 3088; 4350; 6025
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; 2527; 2770; 2805; 2839; 2862; 2884; 2994; 3036; 3087; 3407; 3549; 4204; 4210; 4219; 4262; 4349; 4523; 4914; 4941; 5450; 5507; 5540; 5885; 6319; 6337; 6348
BshNI	G!GYRCC	11	465; 779; 906; 1525; 1922; 2070; 2430; 2490; 3594; 4440; 4475
BshTI	A!CCGGT	1	2357
BshVI	AT!CGAT	1	4281
BsiEI	CGRY!CG	6	934; 1790; 2362; 3088; 4350; 6025
BsiHKAI	GWGCW!C	8	620; 899; 2148; 2317; 2460; 4554; 4744; 6049
BsiHKCI	C!YCGRG	7	613; 783; 1132; 1390; 1603; 1810; 2138
BsiSI	C!CGG	34	601; 684; 752; 777; 784; 809; 837; 996; 1133; 1207; 1272; 1278; 1413; 1638; 1811; 2099; 2358; 2950; 3659; 4346; 4423; 4445; 4473; 4604; 4694; 4761; 4942; 5217; 5225; 5317; 5791; 5981; 6007; 6154
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; 2487; 2600; 2766; 2832; 3453; 3779; 4171; 4422; 4966; 5247; 5279; 5411; 5446; 5496; 5528; 5881; 6160; 6326; 6344
BsIFI	GGGACNNNNNNNNNN!	7	175; 326; 494; 774; 4592; 5124; 5233
BsIFI	!NNNNNNNNNNNNNGTCCC	7	1223; 1337; 2097; 3957; 4029; 4093; 5388
BsmI	GAATGCN!	1	3192
BsmI	G!CATTC	1	3285
BsmAI	GTCTCN!	3	434; 658; 680
BsmAI	!NNNNNGAGAC	6	2184; 2997; 3865; 4283; 5302; 5430
BsmBI	CGTCTCN!	1	658
BsmBI	!NNNNNGAGACG	0	
BsmFI	GGGACNNNNNNNNNN!	7	175; 326; 494; 774; 4592; 5124; 5233
BsmFI	!NNNNNNNNNNNNNGTCCC	7	1223; 1337; 2097; 3957; 4029; 4093; 5388
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; 2527; 2770; 2805; 2839; 2862; 2884; 2994; 3036; 3087; 3407; 3549; 4204; 4210; 4219; 4262; 4349; 4523; 4914; 4941; 5450; 5507; 5540; 5885; 6319; 6337; 6348
Bso31I	GGTCTCN!	1	680
Bso31I	!NNNNNGAGACC	2	2997; 5430
BsoBI	C!YCGRG	7	613; 783; 1132; 1390; 1603; 1810; 2138
Bsp13I	T!CCGGA	1	995
Bsp19I	C!CATGG	5	360; 634; 2368; 4170; 4873
Bsp24I	GACNNNNNNNTGGNNNNNNNNNNN!	2	289; 5244
Bsp24I	!NNNNNNNCCANNNNNNNGTC	4	1335; 1460; 5665; 5843
Bsp24I	CCANNNNNNNGTCNNNNNNNNNNN!	4	1367; 1492; 5697; 5875
Bsp24I	!NNNNNNNNGACNNNNNNNTGG	2	257; 5212
Bsp68I	TCG!CGA	0	
Bsp119I	TT!CGAA	2	627; 5123
Bsp120I	G!GGCCC	4	787; 1395; 1672; 1680
Bsp143I	!GATC	29	585; 609; 661; 931; 970; 1075; 1118; 1494; 2351; 2740; 2890; 2916; 3098; 4278; 4282; 4301; 4612; 4690; 4771; 4780; 4858; 5234; 5250; 5609; 5621; 5699; 5707; 5718; 5793

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; 2433; 2460; 2493; 3070; 3632; 4387; 4480; 4554; 4744; 4806; 5516; 6049
Bsp1407I	T!GTACA	1	2419
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; 2689; 2827; 2929; 3088; 3756; 3759; 3773; 3863; 4111; 4123; 4132; 4144; 4154; 4165; 4211; 4350; 4413; 4915; 4960; 5026; 5052; 5177; 5180; 5328; 5460; 5767; 5911; 6407
BspACI	G!CGG	31	370; 403; 528; 639; 1786; 1975; 2254; 2524; 2836; 2878; 3084; 3701; 3728; 3816; 3926; 4507; 4571; 4672; 4675; 4955; 5010; 5108; 5246; 5393; 5533; 5776; 6021; 6142; 6161; 6288; 6316
BspCNI	CTCAGNNNNNNNN!	6	619; 1295; 1343; 1655; 1766; 5566
BspCNI	!NNNNNNNCTGAG	10	1007; 1993; 2150; 2165; 2627; 3913; 4215; 5096; 5668; 6077
BspDI	AT!CGAT	1	4281
BspD6I	GACTCNNNN!	9	418; 612; 1088; 1450; 1696; 3100; 3514; 5120; 5997
BspD6I	!NNNNNNGAGTC	3	2649; 3477; 3909
BspEI	T!CCGGA	1	995
BspFNI	CG!CG	18	60; 660; 796; 1831; 3090; 3365; 3741; 3761; 3785; 3816; 4507; 4808; 5246; 5330; 5393; 5462; 5735; 6316
BspHI	T!CATGA	2	3867; 5639
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; 2432; 2492; 2883; 3596; 3617; 3629; 3820; 3981; 4053; 4442; 4477; 5325; 5404; 5449; 6292; 6331
BspMI	ACCTGCNNNN!	4	1875; 1980; 4709; 5159
BspMI	!NNNNNNNNGCAGGT	1	4328
BspOI	GCTAG!C	1	595
BspPI	GGATCNNNN!	9	1502; 2359; 4309; 4620; 4866; 5258; 5617; 5715; 5801
BspPI	!NNNNNGATCC	9	580; 656; 1113; 2346; 2911; 4685; 5229; 5616; 5713
BspQI	GCTCTCN!	0	
BspQI	!NNNNGAAGAGC	3	2380; 4785; 4995
BspTI	C!TTAAG	1	3323
BspT104I	TT!CGAA	2	627; 5123
BspT107I	G!GYRCC	11	465; 779; 906; 1525; 1922; 2070; 2430; 2490; 3594; 4440; 4475
BspTNI	GGTCTCN!	1	680
BspTNI	!NNNNNGAGACC	2	2997; 5430
BsrI	ACTGGN!	4	2980; 4385; 4586; 5832
BsrI	C!CAGT	10	295; 1161; 1189; 1349; 1437; 1874; 3470; 4148; 5944; 5957
BsrBI	CCG!CTC	2	3865; 5054
BsrBI	GAG!CGG	3	3084; 3701; 5108
BsrDI	GCAATGNN!	1	4674
BsrDI	!CATTGC	0	
BsrFI	R!CCGGY	7	1637; 2098; 2357; 3658; 4760; 4941; 5224
BsrGI	T!GTACA	1	2419
BsrSI	ACTGGN!	4	2980; 4385; 4586; 5832
BsrSI	C!CAGT	10	295; 1161; 1189; 1349; 1437; 1874; 3470; 4148; 5944; 5957
BssAI	R!CCGGY	7	1637; 2098; 2357; 3658; 4760; 4941; 5224
BssECI	C!CNNGG	47	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; 2464; 2599; 2600; 2695; 3975; 4047; 4170; 4205; 4214; 4263; 4604; 4873; 5278; 5405; 5406; 5508; 5509; 6199
BssHII	G!CGCGC	1	794
BssKI	!CCNNGG	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; 2551; 2599; 2695; 2710; 2839; 2948; 3975; 4030; 4047; 4443; 4603; 4826; 5216; 5405; 5508; 5980; 6198; 6211; 6332
BssMI	!GATC	29	585; 609; 661; 931; 970; 1075; 1118; 1494; 2351; 2740; 2890; 2916; 3098; 4278; 4282; 4301; 4612; 4690; 4771; 4780; 4858; 5234; 5250; 5609; 5621; 5699; 5707; 5718; 5793
BssNI	GR!CGYC	9	122; 175; 258; 444; 1923; 2953; 4441; 5143; 5222
BssNAI	GTA!TAC	0	
BssSI	C!ACGAG	3	3021; 5159; 6186
BssSI	C!TCGTG	2	2871; 5033

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
BssT1I	C!CWWGG	8	360; 634; 1230; 2368; 4170; 4263; 4873; 5278
Bst6I	CTCTCN!	0	
Bst6I	!NNNNGAAGAG	4	2380; 3908; 4785; 4995
Bst98I	C!TTAAG	1	3323
Bst1107I	GTA!TAC	0	
BstACI	GR!CGYC	9	122; 175; 258; 444; 1923; 2953; 4441; 5143; 5222
BstAFI	C!TTAAG	1	3323
BstAPI	GCANNNN!NTGC	6	894; 1628; 1733; 4008; 4080; 5542
BstAUI	T!GTACA	1	2419
BstBI	TT!CGAA	2	627; 5123
Bst2BI	C!ACGAG	3	3021; 5159; 6186
Bst2BI	C!TCGTG	2	2871; 5033
BstBAI	YAC!GTR	4	340; 2312; 3557; 4745
Bst4CI	ACN!GT	19	76; 198; 269; 543; 581; 1297; 1911; 2109; 2195; 2307; 2435; 3532; 4821; 4937; 5045; 5368; 5859; 6329; 6400
BstC8I	GCN!NGC	39	86; 279; 593; 768; 796; 1201; 1547; 1822; 1859; 1899; 1998; 2057; 2478; 2682; 3660; 3703; 3717; 3990; 4009; 4062; 4081; 4335; 4521; 4740; 4806; 4812; 4840; 4844; 4885; 4889; 4943; 5226; 5413; 5460; 5516; 5538; 5749; 6309; 6346
BstDEI	C!TNAG	20	606; 1015; 1282; 1330; 1426; 1447; 1642; 1753; 2001; 2158; 2173; 2377; 2635; 2932; 3921; 4223; 5104; 5553; 5676; 6085
BstDSI	C!CRYGG	6	360; 634; 2008; 2368; 4170; 4873
BstEII	G!GTNACC	0	
BstENI	CCTNN!NNNAGG	0	
BstF5I	GGATGNN!	6	881; 1106; 4301; 4758; 4783; 5237
BstF5I	!CATCC	6	1748; 2460; 2548; 2605; 2760; 4127
BstFNI	CG!CG	18	60; 660; 796; 1831; 3090; 3365; 3741; 3761; 3785; 3816; 4507; 4808; 5246; 5330; 5393; 5462; 5735; 6316
BstH2I	RGCGC!Y	6	598; 1926; 3708; 3716; 4444; 6119
BstHHI	GCG!C	30	597; 796; 798; 956; 1663; 1817; 1833; 1883; 1925; 2055; 3707; 3715; 3741; 3763; 3772; 3785; 3816; 4435; 4443; 4507; 4544; 4810; 5070; 5246; 5332; 5735; 5844; 6018; 6118; 6185
BstKTI	GAT!C	29	588; 612; 664; 934; 973; 1078; 1121; 1497; 2354; 2743; 2893; 2919; 3101; 4281; 4285; 4304; 4615; 4693; 4774; 4783; 4861; 5237; 5253; 5612; 5624; 5702; 5710; 5721; 5796
BstMAI	GTCTCN!	3	434; 658; 680
BstMAI	!NNNNGAGAC	6	2184; 2997; 3865; 4283; 5302; 5430
BstMBI	!GATC	29	585; 609; 661; 931; 970; 1075; 1118; 1494; 2351; 2740; 2890; 2916; 3098; 4278; 4282; 4301; 4612; 4690; 4771; 4780; 4858; 5234; 5250; 5609; 5621; 5699; 5707; 5718; 5793
BstMCI	CGRY!CG	6	934; 1790; 2362; 3088; 4350; 6025
BstMWI	GCNNNNN!NNGC	42	90; 212; 244; 283; 376; 400; 693; 786; 814; 894; 1394; 1542; 1607; 1628; 1715; 1733; 1792; 1821; 1867; 2152; 2168; 2414; 2845; 3668; 3698; 3725; 3767; 4008; 4080; 4131; 4210; 4432; 4516; 4539; 4678; 4801; 4884; 5151; 5338; 5542; 5741; 6313
BstNI	CC!WGG	32	90; 283; 758; 1046; 1266; 1480; 1489; 1656; 1669; 1678; 1806; 1893; 1956; 2064; 2091; 2179; 2211; 2301; 2553; 2601; 2697; 2712; 2841; 3977; 4032; 4049; 4828; 5407; 5510; 6200; 6213; 6334
BstNSI	RCATG!Y	6	2000; 2408; 4011; 4083; 4846; 6363
BstOI	CC!WGG	32	90; 283; 758; 1046; 1266; 1480; 1489; 1656; 1669; 1678; 1806; 1893; 1956; 2064; 2091; 2179; 2211; 2301; 2553; 2601; 2697; 2712; 2841; 3977; 4032; 4049; 4828; 5407; 5510; 6200; 6213; 6334
BstPI	G!GTNACC	0	
BstPAI	GACNN!NNGTC	1	3009
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; 2551; 2599; 2695; 2710; 2839; 2948; 3975; 4030; 4047; 4443; 4603; 4826; 5216; 5405; 5508; 5980; 6198; 6211; 6332
BstSFI	C!TRYAG	5	1201; 1907; 3776; 5903; 6094
BstSLI	GKGCML!C	16	791; 1156; 1215; 1399; 1528; 1633; 1676; 1684; 2073; 2433; 2460; 2493; 3070; 4387; 4480; 6049
BstSNI	TAC!GTA	1	340
BstUI	CG!CG	18	60; 660; 796; 1831; 3090; 3365; 3741; 3761; 3785; 3816; 4507; 4808; 5246; 5330; 5393; 5462; 5735; 6316



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; 2553; 2601; 2697; 2712; 2841; 3977; 4032; 4049; 4828; 5407; 5510; 6200; 6213; 6334
BstV1I	GCAGCNNNNNNNN!	14	1215; 1631; 1727; 1829; 1853; 1895; 2587; 3029; 3229; 4514; 4556; 5077; 5530; 6030
BstV1I	!NNNNNNNNNNNGCTGC	8	2277; 2706; 3723; 4388; 4572; 4665; 5731; 5937
BstV2I	GAAGACNN!	4	847; 2677; 2910; 2978
BstV2I	!NNNNNNGTCTTC	0	
BstXI	CCANNNNN!NTGG	0	
BstX2I	R!GATCY	13	585; 609; 970; 1494; 2351; 2916; 4612; 4858; 5250; 5609; 5621; 5707; 5718
BstYI	R!GATCY	13	585; 609; 970; 1494; 2351; 2916; 4612; 4858; 5250; 5609; 5621; 5707; 5718
BstZI	C!GGCCG	3	1787; 3085; 4347
BstZ17I	GTA!TAC	0	
BsuI	GTATCCNNNNNN!	3	3870; 4660; 6161
BsuI	!NNNNNGGATAC	0	
Bsu15I	AT!CGAT	1	4281
Bsu36I	CC!TNAGG	5	1015; 1330; 2635; 3921; 5553
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; 2527; 2770; 2805; 2839; 2862; 2884; 2994; 3036; 3087; 3407; 3549; 4204; 4210; 4219; 4262; 4349; 4523; 4914; 4941; 5450; 5507; 5540; 5885; 6319; 6337; 6348
BsuTUI	AT!CGAT	1	4281
BtgI	C!CRYGG	6	360; 634; 2008; 2368; 4170; 4873
BtgZI	GCGATGNNNNNNNNNN!	2	3558; 4893
BtgZI	!NNNNNNNNNNNNNNNNCATCGC	4	334; 1838; 4712; 5056
BthCI	GCNG!C	49	642; 833; 920; 989; 1206; 1622; 1718; 1730; 1789; 1820; 1844; 1886; 1889; 2293; 2527; 2578; 2722; 2839; 3020; 3087; 3090; 3220; 3739; 3761; 3775; 4213; 4352; 4404; 4415; 4505; 4510; 4547; 4588; 4675; 4678; 4681; 4917; 5013; 5054; 5068; 5182; 5521; 5536; 5747; 5953; 5956; 6021; 6164; 6319
BtrI	CAC!GTC	0	
BtrI	GAC!GTG	0	
BtsI	GCAGTGNN!	0	
BtsI	!CACTGC	4	1092; 2030; 2332; 3280
BtsCI	GGATGNN!	6	881; 1106; 4301; 4758; 4783; 5237
BtsCI	!CATCC	6	1748; 2460; 2548; 2605; 2760; 4127
BtuMI	TCG!CGA	0	
BveI	ACCTGCNNNN!	4	1875; 1980; 4709; 5159
BveI	!NNNNNNNNNGCAGGT	1	4328
Cac8I	GCN!NGC	39	86; 279; 593; 768; 796; 1201; 1547; 1822; 1859; 1899; 1998; 2057; 2478; 2682; 3660; 3703; 3717; 3990; 4009; 4062; 4081; 4335; 4521; 4740; 4806; 4812; 4840; 4844; 4885; 4889; 4943; 5226; 5413; 5460; 5516; 5538; 5749; 6309; 6346
CaiI	CAGNNN!CTG	4	1259; 3043; 5542; 5950
CciI	T!CATGA	2	3867; 5639
CciNI	GC!GGCCGC	1	3085
CdiI	CATC!G	7	352; 1856; 2084; 4730; 4735; 4933; 5074
CdiI	C!GATG	4	884; 1791; 3544; 4879
CdpI	GCGGAGNNNNNNNNNNNNNNNNNNNN!	1	6313
CdpI	!NNNNNNNNNNNNNNNNNNNNCTCCGC	3	486; 4102; 4144
CelII	GC!TNAGC	0	
CfoI	GCG!C	30	597; 796; 798; 956; 1663; 1817; 1833; 1883; 1925; 2055; 3707; 3715; 3741; 3763; 3772; 3785; 3816; 4435; 4443; 4507; 4544; 4810; 5070; 5246; 5332; 5735; 5844; 6018; 6118; 6185
CfrI	Y!GGCCR	9	1165; 1787; 2180; 3034; 3085; 4347; 4521; 4912; 4939
Cfr9I	C!CCGGG	3	783; 1132; 1810
Cfr10I	R!CCGGY	7	1637; 2098; 2357; 3658; 4760; 4941; 5224
Cfr13I	G!GNCC	29	83; 276; 641; 714; 725; 754; 788; 806; 1011; 1019; 1334; 1396; 1673; 1681; 1808; 1895; 2005; 2087; 2101; 2526; 2769; 2861; 2882; 3548; 4957; 5402; 5448; 5506; 5539
Cfr42I	CCGC!GG	0	
ChaI	GATC!	29	589; 613; 665; 935; 974; 1079; 1122; 1498; 2355; 2744; 2894; 2920; 3102; 4282; 4286; 4305; 4616; 4694; 4775; 4784; 4862; 5238; 5254; 5613; 5625; 5703; 5711; 5722; 5797

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
CjeI	CCANNNNNNGTNNNNNNNNNNNNNN!	11	1208; 1314; 1368; 1493; 2148; 2250; 2472; 4258; 5698; 5798; 5876
CjeI	!NNNNNNNNNACNNNNNTGG	7	64; 257; 3925; 4020; 5212; 5762; 6317
CjeI	ACNNNNNTGGNNNNNNNNNNNNNN!	7	98; 291; 3959; 4054; 5246; 5796; 6351
CjeI	!NNNNNNNNCCANNNNNNGT	11	1174; 1280; 1334; 1459; 2114; 2216; 2438; 4224; 5664; 5764; 5842
CjePI	CCANNNNNNTCNNNNNNNNNNNNNN!	7	761; 1136; 1368; 1493; 1680; 5698; 5876
CjePI	!NNNNNNNNGANNNNNNNTGG	5	257; 2497; 2842; 5212; 5811
CjePI	GANNNNNNNTGGNNNNNNNNNNNN!	5	290; 2530; 2875; 5245; 5844
CjePI	!NNNNNNNNCCANNNNNNTC	7	728; 1103; 1335; 1460; 1647; 5665; 5843
Clal	AT!CGAT	1	4281
CpoI	CG!GWCCG	1	4957
CseI	GACGCNNNNN!	3	526; 5151; 5230
CseI	!NNNNNNNNNNGCGTC	4	2942; 3774; 5669; 6247
CsiI	A!CCWGGT	2	1654; 4030
CspI	CG!GWCCG	1	4957
Csp6I	G!TAC	13	218; 243; 298; 331; 382; 539; 1192; 1928; 2132; 2420; 2570; 2822; 4746
Csp45I	TT!CGAA	2	627; 5123
CspAI	A!CCGGT	1	2357
CspCI	CAANNNNGTGGNNNNNNNNNNNN!	1	411
CspCI	!NNNNNNNNNCCACNNNNNTTG	0	
CspCI	CCACNNNNNTGNNNNNNNNNNNN!	0	
CspCI	!NNNNNNNNNNCAANNNNGTGG	1	376
CstMI	AAGGAGNNNNNNNNNNNNNNNNNN!	5	1720; 2422; 3013; 3721; 5330
CstMI	!NNNNNNNNNNNNNNNNNCTCCTT	2	1209; 2056
CviAII	C!ATG	31	301; 361; 635; 1106; 1302; 1344; 1742; 1997; 2168; 2228; 2369; 2405; 2411; 2423; 2501; 2567; 2647; 2858; 3868; 4008; 4080; 4171; 4312; 4657; 4843; 4874; 4900; 5256; 5640; 6360; 6411
CviJI	RG!CY	158	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; 2390; 2417; 2480; 2527; 2556; 2563; 2641; 2707; 2719; 2770; 2797; 2805; 2839; 2862; 2870; 2884; 2994; 3030; 3036; 3087; 3110; 3220; 3387; 3407; 3549; 3630; 3644; 3658; 3939; 3980; 4052; 4175; 4204; 4210; 4219; 4227; 4250; 4262; 4268; 4349; 4366; 4374; 4401; 4426; 4510; 4519; 4523; 4547; 4585; 4661; 4678; 4697; 4760; 4804; 4814; 4831; 4914; 4941; 4945; 4982; 5005; 5021; 5201; 5228; 5289; 5411; 5450; 5507; 5514; 5521; 5540; 5551; 5802; 5831; 5874; 5885; 5950; 6029; 6054; 6059; 6105; 6195; 6293; 6319; 6337; 6348
CviKI-1	RG!CY	158	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; 2390; 2417; 2480; 2527; 2556; 2563; 2641; 2707; 2719; 2770; 2797; 2805; 2839; 2862; 2870; 2884; 2994; 3030; 3036; 3087; 3110; 3220; 3387; 3407; 3549; 3630; 3644; 3658; 3939; 3980; 4052; 4175; 4204; 4210; 4219; 4227; 4250; 4262; 4268; 4349; 4366; 4374; 4401; 4426; 4510; 4519; 4523; 4547; 4585; 4661; 4678; 4697; 4760; 4804; 4814; 4831; 4914; 4941; 4945; 4982; 5005; 5021; 5201; 5228; 5289; 5411; 5450; 5507; 5514; 5521; 5540; 5551; 5802; 5831; 5874; 5885; 5950; 6029; 6054; 6059; 6105; 6195; 6293; 6319; 6337; 6348
CviQI	G!TAC	13	218; 243; 298; 331; 382; 539; 1192; 1928; 2132; 2420; 2570; 2822; 4746
DdeI	C!TNAG	20	606; 1015; 1282; 1330; 1426; 1447; 1642; 1753; 2001; 2158; 2173; 2377; 2635; 2932; 3921; 4223; 5104; 5553; 5676; 6085
DinI	GGC!GCC	2	1924; 4442
DpnI	GA!TC	29	587; 611; 663; 933; 972; 1077; 1120; 1496; 2353; 2742; 2892; 2918; 3100; 4280; 4284; 4303; 4614; 4692; 4773; 4782; 4860; 5236; 5252; 5611; 5623; 5701; 5709; 5720; 5795

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; 2740; 2890; 2916; 3098; 4278; 4282; 4301; 4612; 4690; 4771; 4780; 4858; 5234; 5250; 5609; 5621; 5699; 5707; 5718; 5793
DraI	TTT!AAA	3	3143; 5585; 5604
DraII	RG!GNCCY	7	787; 1011; 1019; 1395; 1672; 1680; 5539
DraIII	CACNNN!GTG	3	1628; 3026; 3557
DraRI	CAAGNACNNNNNNNNNNNNNNNNNNNN!	3	266; 2242; 5921
DraRI	!NNNNNNNNNNNNNNNNNNNGTNCCTG	0	
DrdI	GACNNN!NNGTC	3	3512; 4468; 6257
DrdIV	TACGACNNNNNNNNNNNNNNNNNNNN!	0	
DrdIV	!NNNNNNNNNNNNNNNNNNNGTCGTA	1	476
DriI	GACNNN!NNGTC	1	1085
DseDI	GACNNN!NNGTC	3	3512; 4468; 6257
EaeI	Y!GGCCR	9	1165; 1787; 2180; 3034; 3085; 4347; 4521; 4912; 4939
EagI	C!GGCCG	3	1787; 3085; 4347
Eam1104I	CTCTTCN!	0	
Eam1104I	!NNNNGAAGAG	4	2380; 3908; 4785; 4995
Eam1105I	GACNNN!NNGTC	1	1085
EarI	CTCTTCN!	0	
EarI	!NNNNGAAGAG	4	2380; 3908; 4785; 4995
EciI	GGCGGANNNNNNNNNNNN!	4	3941; 4970; 6157; 6303
EciI	!NNNNNNNNNTCCGCC	4	496; 4112; 4133; 4154
Ecl136II	GAG!CTC	1	618
EclXI	C!GGCCG	3	1787; 3085; 4347
Eco24I	GRGCY!C	12	620; 791; 1399; 1487; 1676; 1684; 1984; 2164; 2345; 3632; 4806; 5516
Eco31I	GGTCTCN!	1	680
Eco31I	!NNNNNGAGACC	2	2997; 5430
Eco32I	GAT!ATC	0	
Eco47I	G!GWCC	4	1334; 2087; 4957; 5402
Eco47III	AGC!GCT	1	596
Eco52I	C!GGCCG	3	1787; 3085; 4347
Eco57I	CTGAAGNNNNNNNNNNNNNNNN!	4	1713; 2886; 4587; 5019
Eco57I	!NNNNNNNNNNNNNNNNCTTCAG	1	5817
Eco72I	CAC!GTG	1	2312
Eco81I	CC!TNAGG	5	1015; 1330; 2635; 3921; 5553
Eco88I	C!YCGRG	7	613; 783; 1132; 1390; 1603; 1810; 2138
Eco91I	G!GTNACC	0	
Eco105I	TAC!GTA	1	340
Eco130I	C!CWWGG	8	360; 634; 1230; 2368; 4170; 4263; 4873; 5278
Eco147I	AGG!CCT	3	2019; 2805; 4262
EcoHI	!CCSGG	15	775; 782; 783; 808; 835; 1131; 1132; 1206; 1809; 1810; 2948; 4443; 4603; 5216; 5980
EcoICRI	GAG!CTC	1	618
Eco57MI	CTGRAGNNNNNNNNNNNNNNNN!	10	981; 1501; 1713; 1935; 1977; 2085; 2886; 4587; 5019; 5281
Eco57MI	!NNNNNNNNNNNNNNNNCTYCAG	5	1402; 1875; 2694; 5224; 5817
EcoNI	CCTNN!NNNAGG	0	
Eco065I	G!GTNACC	0	
Eco0109I	RG!GNCCY	7	787; 1011; 1019; 1395; 1672; 1680; 5539
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; 2551; 2599; 2695; 2710; 2839; 3975; 4030; 4047; 4826; 5405; 5508; 6198; 6211; 6332
EcoRV	GAT!ATC	0	
EcoT14I	C!CWWGG	8	360; 634; 1230; 2368; 4170; 4263; 4873; 5278
EcoT22I	ATGCA!T	3	4013; 4085; 6416
EcoT38I	GRGCY!C	12	620; 791; 1399; 1487; 1676; 1684; 1984; 2164; 2345; 3632; 4806; 5516
Eco53kl	GAG!CTC	1	618
EgeI	GGC!GCC	2	1924; 4442
EheI	GGC!GCC	2	1924; 4442
ErhI	C!CWWGG	8	360; 634; 1230; 2368; 4170; 4263; 4873; 5278
EsaBC3I	TC!GA	19	615; 628; 935; 1079; 2269; 2519; 2546; 3014; 3591; 4282; 4555; 4711; 4735; 4771; 4933; 5124; 5169; 5424; 6262
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; 2408; 2414; 2426; 2504; 2570; 2650; 2861; 3871; 4011; 4083; 4174; 4315; 4660; 4846; 4877; 4903; 5259; 5643; 6363; 6414
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; 2406; 2412; 2424; 2502; 2568; 2648; 2666; 2859; 2912; 2962; 3103; 3113; 3179; 3224; 3429; 3857; 3869; 4000; 4009; 4072; 4081; 4105; 4172; 4196; 4313; 4377; 4658; 4683; 4844; 4875; 4901; 4973; 5189; 5257; 5335; 5387; 5548; 5565; 5567; 5569; 5641; 5919; 6108; 6224; 6297; 6361; 6412
FalI	AAGNNNNNCTTNNNNNNNNNNNN!	2	2645; 4781
FalI	!NNNNNNNNNAAGNNNNNCTT	2	2613; 4749
FaqI	GGGACNNNNNNNNNN!	7	175; 326; 494; 774; 4592; 5124; 5233
FaqI	!NNNNNNNNNNNNNGTCCC	7	1223; 1337; 2097; 3957; 4029; 4093; 5388
FatI	!CATG	31	300; 360; 634; 1105; 1301; 1343; 1741; 1996; 2167; 2227; 2368; 2404; 2410; 2422; 2500; 2566; 2646; 2857; 3867; 4007; 4079; 4170; 4311; 4656; 4842; 4873; 4899; 5255; 5639; 6359; 6410
FauI	CCCGCNNNN!	18	93; 119; 286; 654; 665; 706; 835; 922; 991; 2035; 2064; 2834; 2936; 3763; 4118; 4139; 5335; 5467
FauI	!NNNNNNNGCGGG	8	1968; 2247; 2871; 3694; 4564; 5101; 5239; 5386
FauNDI	CA!TATG	1	234
FbaI	T!GATCA	0	
FblI	GT!MKAC	1	2956
FmuI	GGNC!C	29	86; 279; 644; 717; 728; 757; 791; 809; 1014; 1022; 1337; 1399; 1676; 1684; 1811; 1898; 2008; 2090; 2104; 2529; 2772; 2864; 2885; 3551; 4960; 5405; 5451; 5509; 5542
Fnu4HI	GC!NGC	49	640; 831; 918; 987; 1204; 1620; 1716; 1728; 1787; 1818; 1842; 1884; 1887; 2291; 2525; 2576; 2720; 2837; 3018; 3085; 3088; 3218; 3737; 3759; 3773; 4211; 4350; 4402; 4413; 4503; 4508; 4545; 4586; 4673; 4676; 4679; 4915; 5011; 5052; 5066; 5180; 5519; 5534; 5745; 5951; 5954; 6019; 6162; 6317
FokI	GGATGNNNNNNNNNN!	6	888; 1113; 4308; 4765; 4790; 5244
FokI	!NNNNNNNNNNNNNCATCC	6	1735; 2447; 2535; 2592; 2747; 4114
FriOI	GRGCY!C	12	620; 791; 1399; 1487; 1676; 1684; 1984; 2164; 2345; 3632; 4806; 5516
FseI	GGCCGG!CC	0	
FspI	TGC!GCA	2	1882; 4543
FspAI	RTGC!GCAY	0	
FspBI	C!TAG	11	592; 1836; 2338; 3055; 3096; 3290; 3708; 4264; 5279; 5613; 5866
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; 2447; 2477; 2494; 2508; 2541; 2555; 2573; 2597; 2612; 2642; 2675; 2702; 2717; 2736; 2772; 2819; 2838; 2853; 2876; 2898; 2921; 2941; 2962; 3008; 3050; 3066; 3101; 3124; 3163; 3177; 3318; 3413; 3437; 3460; 3483; 3501; 3523; 3544; 3563; 3582; 3611; 3632; 3646; 3672; 3760; 3786; 3835; 3876; 3894; 3933; 3949; 3987; 4044; 4059; 4116; 4136; 4150; 4167; 4181; 4218; 4233; 4276; 4359; 4426; 4457; 4477; 4492; 4537; 4551; 4617; 4631; 4650; 4666; 4707; 4727; 4774; 4824; 4840; 4860; 4885; 4905; 4928; 4955; 4973; 4999; 5039; 5065; 5089; 5145; 5159; 5187; 5230; 5251; 5286; 5330; 5418; 5442; 5464; 5484; 5500; 5521; 5535; 5554; 5638; 5658; 5686; 5701; 5735; 5777; 5804; 5819; 5864; 5888; 5902; 5924; 5950; 5970; 5994; 6020; 6068; 6087; 6106; 6132; 6167; 6212; 6242; 6256; 6307; 6321; 6346; 6362; 6383; 6412

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
FspEI	!NNNNNNNNNNNNNNNGG	186	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; 2382; 2409; 2451; 2472; 2496; 2538; 2557; 2586; 2622; 2659; 2682; 2701; 2731; 2752; 2779; 2818; 2844; 2863; 2935; 2961; 3009; 3048; 3069; 3112; 3212; 3281; 3311; 3389; 3438; 3460; 3488; 3524; 3569; 3598; 3634; 3653; 3681; 3701; 3764; 3787; 3895; 3927; 3945; 3974; 4017; 4046; 4157; 4186; 4229; 4250; 4278; 4311; 4331; 4356; 4383; 4408; 4430; 4458; 4484; 4505; 4556; 4577; 4595; 4643; 4679; 4735; 4760; 4784; 4813; 4836; 4860; 4886; 4908; 4927; 4952; 4992; 5028; 5093; 5178; 5202; 5231; 5265; 5286; 5306; 5351; 5378; 5397; 5430; 5482; 5513; 5540; 5592; 5690; 5761; 5806; 5867; 5932; 5966; 5992; 6010; 6046; 6116; 6139; 6161; 6185; 6218; 6266; 6301; 6319; 6376
Fsp4HI	GC!NGC	49	640; 831; 918; 987; 1204; 1620; 1716; 1728; 1787; 1818; 1842; 1884; 1887; 2291; 2525; 2576; 2720; 2837; 3018; 3085; 3088; 3218; 3737; 3759; 3773; 4211; 4350; 4402; 4413; 4503; 4508; 4545; 4586; 4673; 4676; 4679; 4915; 5011; 5052; 5066; 5180; 5519; 5534; 5745; 5951; 5954; 6019; 6162; 6317
GdiII	C!GGCCR	3	1787; 3085; 4347
GdiII	Y!GGCCG	6	1787; 2180; 3085; 4347; 4912; 4939
GlaI	GC!GC	30	596; 795; 797; 955; 1662; 1816; 1832; 1882; 1924; 2054; 3706; 3714; 3740; 3762; 3771; 3784; 3815; 4434; 4442; 4506; 4543; 4809; 5069; 5245; 5331; 5734; 5843; 6017; 6117; 6184
GluI	GC!NGC	49	640; 831; 918; 987; 1204; 1620; 1716; 1728; 1787; 1818; 1842; 1884; 1887; 2291; 2525; 2576; 2720; 2837; 3018; 3085; 3088; 3218; 3737; 3759; 3773; 4211; 4350; 4402; 4413; 4503; 4508; 4545; 4586; 4673; 4676; 4679; 4915; 5011; 5052; 5066; 5180; 5519; 5534; 5745; 5951; 5954; 6019; 6162; 6317
GsaI	CCCAG!C	13	794; 1256; 1316; 1322; 1364; 1388; 1404; 1573; 1589; 1727; 3988; 4060; 6059
GsaI	GCTGG!G	3	874; 2801; 4949
GsuI	CTGGAGNNNNNNNNNNNNNN!	7	981; 1501; 1731; 1935; 1977; 2085; 5281
GsuI	!NNNNNNNNNNNNNNCTCCAG	4	1402; 1875; 2694; 5224
HaeI	WGG!CCW	10	1167; 2019; 2094; 2805; 3036; 4262; 4523; 5885; 6337; 6348
HaeII	RGCGC!Y	6	598; 1926; 3708; 3716; 4444; 6119
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; 2527; 2770; 2805; 2839; 2862; 2884; 2994; 3036; 3087; 3407; 3549; 4204; 4210; 4219; 4262; 4349; 4523; 4914; 4941; 5450; 5507; 5540; 5885; 6319; 6337; 6348
HaeIV	GAYNNNNNRTCNNNNNNNNNNNN!	3	1104; 3116; 4637
HaeIV	!NNNNNNNNNGAYNNNNNRTC	3	1070; 3082; 4603
HaeIV	GAYNNNNNRTCNNNNNNNNNNNN!	3	1103; 3115; 4636
HaeIV	!NNNNNNNGAYNNNNNRTC	3	1072; 3084; 4605
HapII	C!CGG	34	601; 684; 752; 777; 784; 809; 837; 996; 1133; 1207; 1272; 1278; 1413; 1638; 1811; 2099; 2358; 2950; 3659; 4346; 4423; 4445; 4473; 4604; 4694; 4761; 4942; 5217; 5225; 5317; 5791; 5981; 6007; 6154
HgaI	GACGCNNNNN!	3	526; 5151; 5230
HgaI	!NNNNNNNNNNNGCGTC	4	2942; 3774; 5669; 6247
HhaI	GCG!C	30	597; 796; 798; 956; 1663; 1817; 1833; 1883; 1925; 2055; 3707; 3715; 3741; 3763; 3772; 3785; 3816; 4435; 4443; 4507; 4544; 4810; 5070; 5246; 5332; 5735; 5844; 6018; 6118; 6185
HinI	GR!CGYC	9	122; 175; 258; 444; 1923; 2953; 4441; 5143; 5222
HinIII	CATG!	31	304; 364; 638; 1109; 1305; 1347; 1745; 2000; 2171; 2231; 2372; 2408; 2414; 2426; 2504; 2570; 2650; 2861; 3871; 4011; 4083; 4174; 4315; 4660; 4846; 4877; 4903; 5259; 5643; 6363; 6414
Hin4I	GAYNNNNNVTCNNNNNNNNNNNN!	3	1099; 3115; 4636
Hin4I	!NNNNNNNNNGABNNNNNRTC	4	1071; 3083; 4604; 4634
Hin4I	GABNNNNNRTCNNNNNNNNNNNN!	4	1103; 3115; 4636; 4666
Hin4I	!NNNNNNNNNGAYNNNNNVTC	3	1067; 3083; 4604
Hin6I	G!CGC	30	595; 794; 796; 954; 1661; 1815; 1831; 1881; 1923; 2053; 3705; 3713; 3739; 3761; 3770; 3783; 3814; 4433; 4441; 4505; 4542; 4808; 5068; 5244; 5330; 5733; 5842; 6016; 6116; 6183

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; 3705; 3713; 3739; 3761; 3770; 3783; 3814; 4433; 4441; 4505; 4542; 4808; 5068; 5244; 5330; 5733; 5842; 6016; 6116; 6183
HincII	GTY!RAC	2	1775; 3204
HindII	GTY!RAC	2	1775; 3204
HindIII	A!AGCTT	1	622
HinfI	G!ANTC	21	410; 604; 743; 939; 1080; 1442; 1688; 2506; 2656; 2983; 3092; 3484; 3506; 3916; 4926; 5060; 5112; 5170; 5207; 5989; 6385
HpaI	GTT!AAC	1	3204
HpaII	C!CGG	34	601; 684; 752; 777; 784; 809; 837; 996; 1133; 1207; 1272; 1278; 1413; 1638; 1811; 2099; 2358; 2950; 3659; 4346; 4423; 4445; 4473; 4604; 4694; 4761; 4942; 5217; 5225; 5317; 5791; 5981; 6007; 6154
HphI	GGTGANNNNNNNN!	5	376; 1067; 2762; 5512; 5628
HphI	!NNNNNNNTCACC	7	1568; 1856; 2016; 2030; 2651; 3558; 4619
Hpy8I	GTN!NAC	16	201; 539; 577; 1453; 1775; 2087; 2438; 2458; 2753; 2957; 2966; 3204; 3488; 3505; 3560; 6047
Hpy99I	CGWCG!	9	885; 3015; 4531; 4559; 4853; 4868; 5145; 5530; 6263
Hpy166II	GTN!NAC	16	201; 539; 577; 1453; 1775; 2087; 2438; 2458; 2753; 2957; 2966; 3204; 3488; 3505; 3560; 6047
Hpy188I	TCN!GA	20	585; 609; 1285; 1645; 1693; 1756; 2159; 2323; 2465; 2745; 3615; 4224; 4408; 4752; 5105; 5206; 5685; 5819; 6172; 6250
Hpy188III	TC!NNGA	27	613; 960; 996; 1144; 1914; 2738; 2942; 3096; 3868; 3920; 4233; 4286; 4459; 4775; 4784; 4867; 4923; 4967; 5057; 5090; 5159; 5640; 5714; 5797; 5895; 5993; 6127
HpyAV	CCTTCNNNNNN!	11	758; 920; 988; 1252; 2087; 2546; 2594; 2639; 5086; 5193; 5872
HpyAV	!NNNNNGAAGG	11	1046; 1688; 2466; 2838; 3674; 4569; 5298; 5314; 5497; 5814; 6124
HpyCH4III	ACN!GT	19	76; 198; 269; 543; 581; 1297; 1911; 2109; 2195; 2307; 2435; 3532; 4821; 4937; 5045; 5368; 5859; 6329; 6400
HpyCH4IV	A!CGT	17	122; 134; 175; 258; 339; 444; 2311; 2734; 3010; 3501; 3513; 3556; 3666; 4557; 4744; 5525; 5658
HpyCH4V	TG!CA	24	888; 1203; 1610; 1736; 2408; 2458; 2780; 2896; 3190; 3217; 3285; 4002; 4011; 4074; 4083; 4198; 4274; 4333; 4492; 4667; 4681; 5751; 6047; 6414
HpyF3I	C!TNAG	20	606; 1015; 1282; 1330; 1426; 1447; 1642; 1753; 2001; 2158; 2173; 2377; 2635; 2932; 3921; 4223; 5104; 5553; 5676; 6085
HpyF10VI	GCNNNNN!NNGC	42	90; 212; 244; 283; 376; 400; 693; 786; 814; 894; 1394; 1542; 1607; 1628; 1715; 1733; 1792; 1821; 1867; 2152; 2168; 2414; 2845; 3668; 3698; 3725; 3767; 4008; 4080; 4131; 4210; 4432; 4516; 4539; 4678; 4801; 4884; 5151; 5338; 5542; 5741; 6313
Hsp92I	GR!CGYC	9	122; 175; 258; 444; 1923; 2953; 4441; 5143; 5222
Hsp92II	CATG!	31	304; 364; 638; 1109; 1305; 1347; 1745; 2000; 2171; 2231; 2372; 2408; 2414; 2426; 2504; 2570; 2650; 2861; 3871; 4011; 4083; 4174; 4315; 4660; 4846; 4877; 4903; 5259; 5643; 6363; 6414
HspAI	G!CGC	30	595; 794; 796; 954; 1661; 1815; 1831; 1881; 1923; 2053; 3705; 3713; 3739; 3761; 3770; 3783; 3814; 4433; 4441; 4505; 4542; 4808; 5068; 5244; 5330; 5733; 5842; 6016; 6116; 6183
KasI	G!GCGCC	2	1922; 4440
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	3204
Kzo9I	!GATC	29	585; 609; 661; 931; 970; 1075; 1118; 1494; 2351; 2740; 2890; 2916; 3098; 4278; 4282; 4301; 4612; 4690; 4771; 4780; 4858; 5234; 5250; 5609; 5621; 5699; 5707; 5718; 5793
LguI	GCTCTTCN!	0	
LguI	!NNNNGAAGAGC	3	2380; 4785; 4995
LpnI	RGC!GCY	6	596; 1924; 3706; 3714; 4442; 6117

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
LpnPI	CCDGNNNNNNNNNN!	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; 2508; 2565; 2613; 2647; 2709; 2724; 2785; 2853; 2877; 2901; 2963; 3050; 3178; 3483; 3672; 3895; 3933; 3949; 3989; 4044; 4061; 4161; 4246; 4359; 4436; 4458; 4481; 4617; 4631; 4650; 4707; 4774; 4824; 4840; 4897; 4955; 5164; 5230; 5254; 5330; 5419; 5522; 5555; 5786; 5804; 5950; 5970; 5994; 6020; 6069; 6167; 6212; 6242; 6321; 6346; 6383
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; 2538; 2586; 2682; 2783; 2826; 2935; 2961; 3048; 3524; 3644; 3701; 3764; 3962; 3974; 4034; 4046; 4278; 4323; 4366; 4408; 4430; 4458; 4505; 4567; 4589; 4679; 4746; 4769; 4813; 4908; 4927; 4952; 5101; 5202; 5245; 5302; 5392; 5495; 5522; 5540; 5776; 5813; 5966; 5992; 6132; 6150; 6185; 6266; 6319
Lsp1109I	GCAGCNNNNNNNN!	14	1215; 1631; 1727; 1829; 1853; 1895; 2587; 3029; 3229; 4514; 4556; 5077; 5530; 6030
Lsp1109I	!NNNNNNNNNNNGCTGC	8	2277; 2706; 3723; 4388; 4572; 4665; 5731; 5937
LweI	GCATCNNNNN!	8	1757; 2614; 3257; 4020; 4092; 4740; 4804; 5079
LweI	!NNNNNNNNNGATGC	10	357; 875; 1782; 2767; 2806; 2935; 4399; 4654; 4870; 6262
MabI	A!CCWGGT	2	1654; 4030
MaeI	C!TAG	11	592; 1836; 2338; 3055; 3096; 3290; 3708; 4264; 5279; 5613; 5866
MaeII	A!CGT	17	122; 134; 175; 258; 339; 444; 2311; 2734; 3010; 3501; 3513; 3556; 3666; 4557; 4744; 5525; 5658
MaeIII	!GTNAC	19	61; 148; 497; 1439; 1501; 1941; 1965; 2235; 2307; 2657; 3229; 3730; 3742; 4561; 4867; 5557; 5823; 5939; 6002
MalI	GA!TC	29	587; 611; 663; 933; 972; 1077; 1120; 1496; 2353; 2742; 2892; 2918; 3100; 4280; 4284; 4303; 4614; 4692; 4773; 4782; 4860; 5236; 5252; 5611; 5623; 5701; 5709; 5720; 5795
MaqI	CRTTGACNNNNNNNNNNNNNNNNNNNN!	4	144; 197; 466; 540
MaqI	!NNNNNNNNNNNNNNNNNNNGTCAAYG	4	157; 240; 426; 1753
MauBI	CG!CGCGCG	0	
MbiI	CCG!CTC	2	3865; 5054
MbiI	GAG!CGG	3	3084; 3701; 5108
MboI	!GATC	29	585; 609; 661; 931; 970; 1075; 1118; 1494; 2351; 2740; 2890; 2916; 3098; 4278; 4282; 4301; 4612; 4690; 4771; 4780; 4858; 5234; 5250; 5609; 5621; 5699; 5707; 5718; 5793
MboII	GAAGANNNNNNNN!	12	716; 852; 2397; 2682; 2795; 2915; 2983; 3697; 3925; 4802; 5012; 5631
MboII	!NNNNNNNTCTTC	5	965; 5092; 5259; 5459; 5702
McaTI	GCGC!GC	1	797
MfeI	C!AATTG	1	3191
MflI	R!GATCY	13	585; 609; 970; 1494; 2351; 2916; 4612; 4858; 5250; 5609; 5621; 5707; 5718
MhII	GDGCH!C	29	620; 791; 899; 1156; 1215; 1399; 1487; 1528; 1633; 1676; 1684; 1984; 2073; 2148; 2164; 2317; 2345; 2433; 2460; 2493; 3070; 3632; 4387; 4480; 4554; 4744; 4806; 5516; 6049
MlsI	TGG!CCA	3	1167; 3036; 4523
MluI	A!CGCGT	0	
MluNI	TGG!CCA	3	1167; 3036; 4523
MlyI	GAGTCNNNNN!	3	2665; 3493; 3925
MlyI	!NNNNNGACTC	9	404; 598; 1074; 1436; 1682; 3086; 3500; 5106; 5983
Mly113I	GG!CGCC	2	1923; 4441
MmeI	TCCRACNNNNNNNNNNNNNNNNNNNN!	3	1361; 2788; 3534
MmeI	!NNNNNNNNNNNNNNNNNGTYGGA	3	2301; 5966; 6150
MnII	CCTCNNNNNNN!	26	781; 865; 934; 967; 1000; 1100; 1237; 1267; 1339; 1415; 1570; 1762; 2084; 2539; 2718; 2733; 2816; 2949; 3060; 3160; 4224; 5042; 5248; 5562; 5932; 6256
MnII	!NNNNNNGAGG	39	541; 884; 897; 929; 956; 992; 1002; 1386; 1585; 1691; 1750; 1910; 1928; 1996; 2060; 2134; 2240; 2267; 2420; 2459; 2480; 2513; 2630; 2739; 2795; 2984; 3017; 3120; 3585; 3916; 4194; 4237; 4252; 4292; 4356; 4492; 4849; 5279; 6182
Mph1103I	ATGCA!T	3	4013; 4085; 6416

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	3658; 4941; 5224
MroXI	GAANN!NNTTC	4	708; 747; 844; 943
MscI	TGG!CCA	3	1167; 3036; 4523
MseI	T!TAA	18	7; 2395; 2620; 3076; 3142; 3203; 3324; 3345; 3356; 3368; 3379; 3396; 3494; 3765; 5584; 5598; 5603; 5655
MslI	CAYNN!NNRTG	7	365; 1876; 2043; 2370; 2409; 2814; 4878
MspI	C!CGG	34	601; 684; 752; 777; 784; 809; 837; 996; 1133; 1207; 1272; 1278; 1413; 1638; 1811; 2099; 2358; 2950; 3659; 4346; 4423; 4445; 4473; 4604; 4694; 4761; 4942; 5217; 5225; 5317; 5791; 5981; 6007; 6154
Msp20I	TGG!CCA	3	1167; 3036; 4523
MspA1I	CMG!CKG	7	1718; 1844; 2829; 3939; 4547; 5776; 6021
MspCI	C!TTAAG	1	3323
MspJI	CNNRRNNNNNNNN!	333	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; 2389; 2403; 2417; 2435; 2465; 2483; 2498; 2513; 2531; 2564; 2579; 2607; 2622; 2646; 2659; 2675; 2693; 2707; 2723; 2736; 2750; 2771; 2784; 2805; 2824; 2838; 2852; 2870; 2883; 2900; 2921; 2940; 2954; 2981; 2999; 3019; 3033; 3049; 3066; 3081; 3101; 3114; 3129; 3148; 3165; 3178; 3219; 3233; 3246; 3264; 3302; 3317; 3335; 3376; 3400; 3420; 3438; 3459; 3482; 3514; 3529; 3551; 3569; 3582; 3603; 3620; 3633; 3646; 3662; 3675; 3705; 3720; 3745; 3763; 3776; 3791; 3815; 3829; 3853; 3878; 3894; 3932; 3948; 3987; 4001; 4015; 4043; 4059; 4073; 4087; 4116; 4129; 4150; 4159; 4181; 4211; 4227; 4245; 4275; 4298; 4322; 4346; 4365; 4393; 4419; 4435; 4448; 4471; 4485; 4505; 4518; 4532; 4551; 4565; 4578; 4594; 4609; 4622; 4638; 4653; 4669; 4694; 4713; 4729; 4742; 4755; 4773; 4787; 4801; 4817; 4839; 4855; 4874; 4896; 4912; 4935; 4954; 4968; 4984; 4998; 5018; 5034; 5047; 5069; 5102; 5116; 5136; 5149; 5163; 5217; 5230; 5253; 5266; 5285; 5302; 5329; 5365; 5398; 5417; 5442; 5463; 5490; 5503; 5520; 5534; 5549; 5565; 5625; 5650; 5666; 5688; 5701; 5715; 5746; 5760; 5785; 5803; 5818; 5831; 5850; 5863; 5878; 5907; 5926; 5944; 5969; 5984; 6003; 6019; 6038; 6056; 6072; 6086; 6105; 6132; 6155; 6177; 6196; 6211; 6224; 6241; 6261; 6288; 6301; 6320; 6345; 6368; 6382; 6395; 6412



Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
MspJI	!NNNNNNNNNNNNNNYNG	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; 2409; 2439; 2463; 2481; 2505; 2524; 2546; 2586; 2607; 2633; 2653; 2682; 2724; 2758; 2779; 2799; 2826; 2844; 2861; 2879; 2907; 2928; 2947; 2973; 2995; 3018; 3041; 3067; 3093; 3122; 3151; 3193; 3276; 3311; 3338; 3361; 3390; 3434; 3456; 3488; 3524; 3541; 3562; 3599; 3619; 3636; 3653; 3688; 3706; 3724; 3741; 3765; 3787; 3814; 3842; 3868; 3906; 3927; 3944; 3962; 3985; 4006; 4034; 4057; 4078; 4096; 4117; 4134; 4157; 4181; 4201; 4219; 4241; 4272; 4294; 4320; 4339; 4356; 4384; 4403; 4422; 4440; 4458; 4479; 4501; 4525; 4558; 4578; 4596; 4617; 4643; 4670; 4687; 4704; 4721; 4747; 4769; 4791; 4809; 4829; 4848; 4870; 4908; 4928; 4952; 4972; 4992; 5019; 5043; 5076; 5095; 5123; 5145; 5174; 5202; 5227; 5246; 5265; 5286; 5303; 5320; 5351; 5378; 5398; 5421; 5441; 5478; 5495; 5514; 5540; 5560; 5599; 5626; 5645; 5663; 5700; 5718; 5759; 5777; 5803; 5820; 5852; 5881; 5909; 5930; 5953; 5972; 5993; 6011; 6028; 6046; 6072; 6093; 6113; 6133; 6151; 6172; 6198; 6215; 6234; 6253; 6282; 6301; 6319; 6338; 6356; 6374; 6397
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; 2553; 2601; 2697; 2712; 2841; 2950; 3977; 4032; 4049; 4445; 4605; 4828; 5218; 5407; 5510; 5982; 6200; 6213; 6334
MssI	GTTT!AAAC	0	
MunI	CA!AATTG	1	3191
MvaI	CC!WGG	32	90; 283; 758; 1046; 1266; 1480; 1489; 1656; 1669; 1678; 1806; 1893; 1956; 2064; 2091; 2179; 2211; 2301; 2553; 2601; 2697; 2712; 2841; 3977; 4032; 4049; 4828; 5407; 5510; 6200; 6213; 6334
Mva1269I	GAATGCN!	1	3192
Mva1269I	G!CATTC	1	3285
MvnI	CG!CG	18	60; 660; 796; 1831; 3090; 3365; 3741; 3761; 3785; 3816; 4507; 4808; 5246; 5330; 5393; 5462; 5735; 6316
MvrI	CGAT!CG	1	934
MwoI	GCNNNNN!NNGC	42	90; 212; 244; 283; 376; 400; 693; 786; 814; 894; 1394; 1542; 1607; 1628; 1715; 1733; 1792; 1821; 1867; 2152; 2168; 2414; 2845; 3668; 3698; 3725; 3767; 4008; 4080; 4131; 4210; 4432; 4516; 4539; 4678; 4801; 4884; 5151; 5338; 5542; 5741; 6313
NaeI	GCC!GGC	3	3660; 4943; 5226
NarI	GG!CGCC	2	1923; 4441
NciI	CC!SGG	15	777; 784; 785; 810; 837; 1133; 1134; 1208; 1811; 1812; 2950; 4445; 4605; 5218; 5982
NcoI	C!CATGG	5	360; 634; 2368; 4170; 4873
NdeI	CA!TATG	1	234
NdeII	!GATC	29	585; 609; 661; 931; 970; 1075; 1118; 1494; 2351; 2740; 2890; 2916; 3098; 4278; 4282; 4301; 4612; 4690; 4771; 4780; 4858; 5234; 5250; 5609; 5621; 5699; 5707; 5718; 5793
NgoAVIII	GACNNNNNTGANNNNNNNNNNNN!	1	280
NgoAVIII	!NNNNNNNNNNNTCANNNNNGTC	1	2497
NgoAVIII	TCANNNNNGTCNNNNNNNNNNNN!	1	2533
NgoAVIII	!NNNNNNNNNNNGACNNNNNTGA	1	244
NgoMIV	G!CCGGC	3	3658; 4941; 5224
NheI	G!CTAGC	1	591
NlaIII	CATG!	31	304; 364; 638; 1109; 1305; 1347; 1745; 2000; 2171; 2231; 2372; 2408; 2414; 2426; 2504; 2570; 2650; 2861; 3871; 4011; 4083; 4174; 4315; 4660; 4846; 4877; 4903; 5259; 5643; 6363; 6414
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; 2432; 2492; 2883; 3596; 3617; 3629; 3820; 3981; 4053; 4442; 4477; 5325; 5404; 5449; 6292; 6331

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
NlaCI	CATCACNNNNNNNNNNNNNNNNNNNN!	4	2009; 3273; 3588; 5180
NlaCI	!NNNNNNNNNNNNNNNNNGTGATG	3	347; 2757; 6252
Nli3877I	CYCGR!G	7	617; 787; 1136; 1394; 1607; 1814; 2142
NmeAIII	GCCGAGNNNNNNNNNNNNNNNNNNNN!	3	2208; 4230; 4666
NmeAIII	!NNNNNNNNNNNNNNNNNNNCTCGGC	3	657; 2773; 4195
NmeDI	RCCGGYNNNNNNN!	7	1649; 2110; 2369; 3670; 4772; 4953; 5236
NmeDI	!NNNNNNNNNNNNNNRCCGGY	7	1624; 2085; 2344; 3645; 4747; 4928; 5211
NmuCI	!GTSAC	7	1439; 1501; 2307; 2657; 3730; 4561; 4867
NotI	GC!GGCCGC	1	3085
NruI	TCG!CGA	0	
NsbI	TGC!GCA	2	1882; 4543
NsiI	ATGCA!T	3	4013; 4085; 6416
NspI	RCATG!Y	6	2000; 2408; 4011; 4083; 4846; 6363
NspV	TT!CGAA	2	627; 5123
OliI	CACNN!NNGTG	3	1876; 2043; 2370
PabI	GTA!C	13	220; 245; 300; 333; 384; 541; 1194; 1930; 2134; 2422; 2572; 2824; 4748
PacI	TTAAT!TAA	0	
PaeI	GCATG!C	4	2000; 4011; 4083; 4846
PaeR7I	C!TCGAG	1	613
PagI	T!CATGA	2	3867; 5639
PalAI	GG!CGCGCC	0	
PasI	CC!CWGGG	7	757; 1045; 1668; 1677; 2600; 5406; 5509
PauI	G!CGCGC	1	794
PceI	AGG!CCT	3	2019; 2805; 4262
PciI	A!CATGT	1	6359
PciSI	GCTCTCN!	0	
PciSI	!NNNNGAAGAGC	3	2380; 4785; 4995
PcsI	WCGNNNN!NNNCGW	7	3019; 4735; 4812; 5055; 5129; 5522; 6040
PctI	GAATGCN!	1	3192
PctI	G!CATTC	1	3285
PdiI	GCC!GGC	3	3660; 4943; 5226
PdmI	GAANN!NNTTC	4	708; 747; 844; 943
PfeI	G!AWTC	9	743; 939; 2506; 2983; 4926; 5060; 5170; 5207; 6385
Pfl23II	C!GTACG	0	
PfIFI	GACN!NNGTC	1	4559
PfIMI	CCANNNN!NTGG	0	
PfoI	T!CCNGGA	3	1478; 2710; 5216
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; 2527; 2770; 2805; 2839; 2862; 2884; 2994; 3036; 3087; 3407; 3549; 4204; 4210; 4219; 4262; 4349; 4523; 4914; 4941; 5450; 5507; 5540; 5885; 6319; 6337; 6348
PinAI	A!CCGGT	1	2357
PlaDI	CATCAGNNNNNNNNNNNNNNNNNNNN!	1	4822
PlaDI	!NNNNNNNNNNNNNNNNNNNCTGATG	2	4387; 4642
PleI	GAGTCNNNN!	3	2664; 3492; 3924
PleI	!NNNNNGACTC	9	404; 598; 1074; 1436; 1682; 3086; 3500; 5106; 5983
Ple19I	CGAT!CG	1	934
PmaCI	CAC!GTG	1	2312
PmeI	GTTT!AAAC	0	
PmlI	CAC!GTG	1	2312
PpiI	GAACNNNNNCTCNNNNNNNNNNNN!	1	3523
PpiI	!NNNNNNNGAGNNNNNGTTC	1	5653
PpiI	GAGNNNNNGTTCNNNNNNNNNNNN!	1	5685
PpiI	!NNNNNNNGAACNNNNNCTC	1	3491
PpsI	GAGTCNNNN!	3	2664; 3492; 3924
PpsI	!NNNNNGACTC	9	404; 598; 1074; 1436; 1682; 3086; 3500; 5106; 5983
Ppu10I	A!TGCAT	3	4009; 4081; 6412
Ppu21I	YAC!GTR	4	340; 2312; 3557; 4745
PpuMI	RG!GWCCY	0	
PscI	A!CATGT	1	6359
PshAI	GACNN!NNGTC	1	3009
PshBI	AT!TAAT	1	7
PsiI	TTA!TAA	2	3224; 3429

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Psp03I	GGWC!C	4	1337; 2090; 4960; 5405
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; 2551; 2599; 2695; 2710; 2839; 3975; 4030; 4047; 4826; 5405; 5508; 6198; 6211; 6332
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; 2551; 2599; 2695; 2710; 2839; 3975; 4030; 4047; 4826; 5405; 5508; 6198; 6211; 6332
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; 2432; 2492; 2883; 3596; 3617; 3629; 3820; 3981; 4053; 4442; 4477; 5325; 5404; 5449; 6292; 6331
PspOMI	G!GGCCC	4	787; 1395; 1672; 1680
PspOMII	CGCCARNNNNNNNNNNNNNNNNNNNNNNN!	3	125; 4171; 5170
PspOMII	!NNNNNNNNNNNNNNNNNNNYTGGGCG	1	4573
PspPI	G!GNCC	29	83; 276; 641; 714; 725; 754; 788; 806; 1011; 1019; 1334; 1396; 1673; 1681; 1808; 1895; 2005; 2087; 2101; 2526; 2769; 2861; 2882; 3548; 4957; 5402; 5448; 5506; 5539
PspPPI	RG!GWCCY	0	
PspPRI	CCYAGNNNNNNNNNNNNNNNNNN!	9	1283; 1331; 1419; 1506; 1695; 1772; 3994; 4066; 5572
PspPRI	!NNNNNNNNNNNNNNNNCTGRGG	8	857; 1001; 1655; 1987; 2621; 3049; 3907; 5102
PspXI	VC!TCGAGB	0	
PsrI	GAACNNNNNTACNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGTANNNNNNGTTC	0	
PsrI	GTANNNNNNGTTCNNNNNNNNNNNN!	0	
PsrI	!NNNNNNNGAACNNNNNNNTAC	0	
PssI	RGGNC!CY	7	790; 1014; 1022; 1398; 1675; 1683; 5542
PstI	CTGCA!G	1	1205
PstNI	CAGNN!CTG	4	1259; 3043; 5542; 5950
PsuI	R!GATCY	13	585; 609; 970; 1494; 2351; 2916; 4612; 4858; 5250; 5609; 5621; 5707; 5718
PsyI	GACN!NNGTC	1	4559
PteI	G!CGCGC	1	794
PvuI	CGAT!CG	1	934
PvuII	CAG!CTG	4	1718; 1844; 3939; 4547
RcaI	T!CATGA	2	3867; 5639
RceI	CATCGACNNNNNNNNNNNNNNNNNNNN!	1	4956
RceI	!NNNNNNNNNNNNNNNNNNNGTCGATG	0	
RgaI	GCGAT!CGC	0	
RigI	GGCCGG!CC	0	
RleAI	CCCACANNNNNNNNNNNNNNNN!	1	3170
RleAI	!NNNNNNNNNTGTGGG	0	
RpaBI	CCCGCAGNNNNNNNNNNNNNNNNNNNN!	1	724
RpaBI	!NNNNNNNNNNNNNNNNNNNNCTGCGGG	2	1954; 2233
RpaB5I	CGRGACNNNNNNNNNNNNNNNNNNNN!	0	
RpaB5I	!NNNNNNNNNNNNNNNNNNNGTCCYCG	1	2093
RruI	TCG!CGA	0	
RsaI	GT!AC	13	219; 244; 299; 332; 383; 540; 1193; 1929; 2133; 2421; 2571; 2823; 4747
RsaNI	G!TAC	13	218; 243; 298; 331; 382; 539; 1192; 1928; 2132; 2420; 2570; 2822; 4746
RseI	CAYNN!NNRTG	7	365; 1876; 2043; 2370; 2409; 2814; 4878
RsrII	CG!GWCCG	1	4957
Rsr2I	CG!GWCCG	1	4957
SacI	GAGCT!C	1	620
SacII	CCGC!GG	0	
SalI	G!TCGAC	0	
SapI	GCTTTCN!	0	
SapI	!NNNNGAAGAGC	3	2380; 4785; 4995

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SaqAI	T!TAA	18	7; 2395; 2620; 3076; 3142; 3203; 3324; 3345; 3356; 3368; 3379; 3396; 3494; 3765; 5584; 5598; 5603; 5655
SatI	GC!NGC	49	640; 831; 918; 987; 1204; 1620; 1716; 1728; 1787; 1818; 1842; 1884; 1887; 2291; 2525; 2576; 2720; 2837; 3018; 3085; 3088; 3218; 3737; 3759; 3773; 4211; 4350; 4402; 4413; 4503; 4508; 4545; 4586; 4673; 4676; 4679; 4915; 5011; 5052; 5066; 5180; 5519; 5534; 5745; 5951; 5954; 6019; 6162; 6317
Sau96I	G!GNCC	29	83; 276; 641; 714; 725; 754; 788; 806; 1011; 1019; 1334; 1396; 1673; 1681; 1808; 1895; 2005; 2087; 2101; 2526; 2769; 2861; 2882; 3548; 4957; 5402; 5448; 5506; 5539
Sau3AI	!GATC	29	585; 609; 661; 931; 970; 1075; 1118; 1494; 2351; 2740; 2890; 2916; 3098; 4278; 4282; 4301; 4612; 4690; 4771; 4780; 4858; 5234; 5250; 5609; 5621; 5699; 5707; 5718; 5793
SbfI	CCTGCA!GG	0	
ScaI	AGT!ACT	0	
SchI	GAGTCNNNNN!	3	2665; 3493; 3925
SchI	!NNNNNGACTC	9	404; 598; 1074; 1436; 1682; 3086; 3500; 5106; 5983
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; 2553; 2601; 2697; 2712; 2841; 2950; 3977; 4032; 4049; 4445; 4605; 4828; 5218; 5407; 5510; 5982; 6200; 6213; 6334
SdaI	CCTGCA!GG	0	
SdeAI	CAGRAGNNNNNNNNNNNNNNNNNNNNNN!	9	728; 1637; 2807; 2875; 2995; 4019; 4091; 4260; 6202
SdeAI	!NNNNNNNNNNNNNNNNNNNNCTYCTG	3	1436; 4596; 5081
SdeOSI	GACNNNNRTGANNNNNNNNNNNN!	1	279
SdeOSI	!NNNNNNNNNNNTCAYNNNNNGTC	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; 2433; 2460; 2493; 3070; 3632; 4387; 4480; 4554; 4744; 4806; 5516; 6049
SelI	!CGCG	18	58; 658; 794; 1829; 3088; 3363; 3739; 3759; 3783; 3814; 4505; 4806; 5244; 5328; 5391; 5460; 5733; 6314
SetI	ASST!	88	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; 2392; 2419; 2515; 2565; 2586; 2737; 2872; 2890; 2941; 3009; 3013; 3028; 3052; 3131; 3152; 3161; 3173; 3222; 3389; 3504; 3516; 3559; 3596; 3646; 3669; 3793; 3941; 4036; 4229; 4342; 4470; 4549; 4560; 4632; 4703; 4747; 5007; 5153; 5197; 5528; 5559; 5618; 5661; 5804; 5825; 5924; 6061; 6076; 6095; 6107; 6151; 6197; 6248
SexAI	A!CCWGGT	2	1654; 4030
SfaAI	GCGAT!CGC	0	
SfaNI	GCATCNNNNN!	8	1757; 2614; 3257; 4020; 4092; 4740; 4804; 5079
SfaNI	!NNNNNNNNNGATGC	10	357; 875; 1782; 2767; 2806; 2935; 4399; 4654; 4870; 6262
SfiI	C!TRYAG	5	1201; 1907; 3776; 5903; 6094
SfiI	GGCCNNNN!NGGCC	1	4216
SfoI	GGC!GCC	2	1924; 4442
Sfr274I	C!TCGAG	1	613
Sfr303I	CCGC!GG	0	
SfuI	TT!CGAA	2	627; 5123

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
SgeI	CNNGNNNNNNNNNN!	265	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; 2417; 2435; 2465; 2489; 2507; 2522; 2564; 2579; 2612; 2646; 2659; 2687; 2708; 2723; 2750; 2784; 2805; 2825; 2838; 2852; 2870; 2883; 2900; 2933; 2954; 2988; 3026; 3049; 3067; 3101; 3148; 3177; 3219; 3302; 3376; 3460; 3482; 3514; 3551; 3569; 3588; 3603; 3645; 3662; 3679; 3714; 3728; 3745; 3767; 3791; 3815; 3880; 3894; 3932; 3948; 3988; 4001; 4020; 4043; 4060; 4073; 4092; 4122; 4143; 4160; 4183; 4218; 4245; 4276; 4298; 4324; 4346; 4365; 4393; 4429; 4448; 4471; 4485; 4505; 4518; 4532; 4551; 4565; 4584; 4616; 4630; 4643; 4669; 4700; 4713; 4730; 4747; 4761; 4778; 4796; 4811; 4839; 4855; 4874; 4896; 4912; 4935; 4954; 4979; 4998; 5018; 5045; 5069; 5102; 5121; 5149; 5163; 5229; 5253; 5268; 5291; 5312; 5329; 5377; 5404; 5418; 5447; 5471; 5504; 5521; 5541; 5554; 5567; 5625; 5652; 5671; 5701; 5726; 5746; 5760; 5785; 5803; 5840; 5878; 5907; 5935; 5949; 5969; 5984; 6005; 6019; 6038; 6056; 6072; 6112; 6132; 6159; 6177; 6198; 6211; 6224; 6241; 6265; 6288; 6320; 6345; 6372; 6394
SgeI	!NNNNNNNNNNNNCNG	227	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; 2391; 2409; 2439; 2463; 2481; 2505; 2538; 2586; 2620; 2661; 2682; 2724; 2758; 2779; 2799; 2826; 2844; 2865; 2886; 2907; 2928; 2962; 3000; 3023; 3041; 3075; 3122; 3151; 3193; 3276; 3350; 3434; 3456; 3488; 3525; 3543; 3562; 3619; 3636; 3653; 3688; 3706; 3726; 3746; 3765; 3789; 3854; 3906; 3962; 3994; 4017; 4034; 4066; 4096; 4117; 4134; 4157; 4192; 4219; 4250; 4272; 4298; 4320; 4339; 4367; 4403; 4422; 4445; 4466; 4484; 4501; 4525; 4558; 4590; 4617; 4643; 4674; 4704; 4721; 4747; 4770; 4791; 4813; 4833; 4853; 4870; 4909; 4928; 4953; 4972; 4992; 5019; 5043; 5076; 5095; 5123; 5145; 5203; 5227; 5246; 5265; 5286; 5303; 5351; 5378; 5398; 5421; 5445; 5478; 5495; 5515; 5541; 5599; 5626; 5645; 5675; 5700; 5720; 5759; 5777; 5814; 5852; 5881; 5909; 5930; 5958; 5979; 6012; 6030; 6086; 6106; 6133; 6151; 6172; 6198; 6215; 6239; 6262; 6294; 6319; 6346; 6368; 6397
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; 3588; 5375; 6168
SimI	!GACCC	6	106; 1357; 1720; 4869; 5437; 5685
SinI	G!GWCC	4	1334; 2087; 4957; 5402
SlaI	C!TCGAG	1	613
SmaI	CCC!GGG	3	785; 1134; 1812
SmiI	ATTT!AAAT	0	
SmiMI	CAYNN!NNRTG	7	365; 1876; 2043; 2370; 2409; 2814; 4878
SmlI	C!TYRAG	8	613; 619; 2940; 3323; 4832; 5714; 5991; 6253
SmoI	C!TYRAG	8	613; 619; 2940; 3323; 4832; 5714; 5991; 6253
SmuI	CCCGCNNNN!	18	93; 119; 286; 654; 665; 706; 835; 922; 991; 2035; 2064; 2834; 2936; 3763; 4118; 4139; 5335; 5467
SmuI	!NNNNNNGCGGG	8	1968; 2247; 2871; 3694; 4564; 5101; 5239; 5386
SnaBI	TAC!GTA	1	340
SpeI	A!CTAGT	0	
SphI	GCATG!C	4	2000; 4011; 4083; 4846
SrfI	GCCC!GGGC	1	1812

Enzyme name	Sequence	Count	Cutting Position (the base to the left of the cut site)
Sse9I	!AATT	13	18; 629; 1518; 3077; 3191; 3255; 3333; 3359; 3370; 4017; 4089; 4181; 5599
Sse8387I	CCTGCA!GG	0	
Sse8647I	AG!GWCCT	0	
SseBI	AGG!CCT	3	2019; 2805; 4262
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; 2689; 2827; 2929; 3088; 3756; 3759; 3773; 3863; 4111; 4123; 4132; 4144; 4154; 4165; 4211; 4350; 4413; 4915; 4960; 5026; 5052; 5177; 5180; 5328; 5460; 5767; 5911; 6407
SsiI	G!CGG	31	370; 403; 528; 639; 1786; 1975; 2254; 2524; 2836; 2878; 3084; 3701; 3728; 3816; 3926; 4507; 4571; 4672; 4675; 4955; 5010; 5108; 5246; 5393; 5533; 5776; 6021; 6142; 6161; 6288; 6316
SspI	AAT!ATT	2	3349; 3902
SspDI	G!GCGCC	2	1922; 4440
SspD5I	GGTGANNNNNNNN!	5	376; 1067; 2762; 5512; 5628
SspD5I	!NNNNNNNNNTCACC	7	1567; 1855; 2015; 2029; 2650; 3557; 4618
SstI	GAGCT!C	1	620
SstII	CCG!GG	0	
SstE37I	CGAAGACNNNNNNNNNNNNNNNNNNNN!	1	2695
SstE37I	!NNNNNNNNNNNNNNNNNGTCTTCG	0	
Sth132I	CCCGNNNN!	39	92; 118; 285; 653; 664; 673; 705; 783; 834; 843; 921; 936; 990; 1139; 1397; 1537; 1610; 1633; 1817; 2034; 2063; 2122; 2145; 2617; 2833; 2935; 2956; 3640; 3762; 4117; 4138; 4451; 4854; 4993; 5064; 5334; 5466; 5696; 6134
Sth132I	!NNNNNNNNCGGG	28	15; 407; 470; 776; 801; 1125; 1199; 1803; 1967; 2002; 2246; 2666; 2870; 3641; 3693; 3794; 4521; 4563; 4596; 5100; 5209; 5238; 5385; 5489; 5520; 5973; 6017; 6225
Sth302II	CC!GG	34	602; 685; 753; 778; 785; 810; 838; 997; 1134; 1208; 1273; 1279; 1414; 1639; 1812; 2100; 2359; 2951; 3660; 4347; 4424; 4446; 4474; 4605; 4695; 4762; 4943; 5218; 5226; 5318; 5792; 5982; 6008; 6155
StrI	C!TCGAG	1	613
StsI	GGATGNNNNNNNNNN!	6	889; 1114; 4309; 4766; 4791; 5245
StsI	!NNNNNNNNNNNNNNCATCC	6	1734; 2446; 2534; 2591; 2746; 4113
StuI	AGG!CCT	3	2019; 2805; 4262
StyI	C!CWWGG	8	360; 634; 1230; 2368; 4170; 4263; 4873; 5278
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; 2551; 2599; 2695; 2710; 2839; 2948; 3975; 4030; 4047; 4443; 4603; 4826; 5216; 5405; 5508; 5980; 6198; 6211; 6332
SwaI	ATTT!AAAT	0	
TaaI	ACN!GT	19	76; 198; 269; 543; 581; 1297; 1911; 2109; 2195; 2307; 2435; 3532; 4821; 4937; 5045; 5368; 5859; 6329; 6400
TaiI	ACGT!	17	125; 137; 178; 261; 342; 447; 2314; 2737; 3013; 3504; 3516; 3559; 3669; 4560; 4747; 5528; 5661
TaqI	T!CGA	19	614; 627; 934; 1078; 2268; 2518; 2545; 3013; 3590; 4281; 4554; 4710; 4734; 4770; 4932; 5123; 5168; 5423; 6261
TaqII	GACCGANNNNNNNNNN!	3	3461; 4478; 5146
TaqII	!NNNNNNNNNTCGGTC	2	662; 5390
TaqII	CACCCANNNNNNNNNN!	3	1398; 2508; 2613
TaqII	!NNNNNNNNNTGGGTG	3	172; 4345; 4937
TasI	!AATT	13	18; 629; 1518; 3077; 3191; 3255; 3333; 3359; 3370; 4017; 4089; 4181; 5599
TatI	W!GTACW	5	217; 297; 330; 381; 2419
TauI	GCSG!C	24	642; 833; 920; 989; 1789; 2527; 2839; 3087; 3090; 3761; 3775; 4213; 4352; 4415; 4510; 4675; 4678; 4917; 5013; 5054; 5182; 5536; 6164; 6319
TfiI	G!AWTC	9	743; 939; 2506; 2983; 4926; 5060; 5170; 5207; 6385
ThiI	C!TCGAG	1	613
TruII	T!TAA	18	7; 2395; 2620; 3076; 3142; 3203; 3324; 3345; 3356; 3368; 3379; 3396; 3494; 3765; 5584; 5598; 5603; 5655
Tru9I	T!TAA	18	7; 2395; 2620; 3076; 3142; 3203; 3324; 3345; 3356; 3368; 3379; 3396; 3494; 3765; 5584; 5598; 5603; 5655
TscAI	CASTGNN!	14	1099; 1168; 1444; 1881; 1952; 1994; 2037; 2112; 2339; 3287; 4570; 5680; 5951; 5964

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; 2575; 2719; 3017; 3217; 3736; 4401; 4502; 4544; 4585; 4678; 5065; 5518; 5744; 5950; 5953; 6018
TsoI	TARCCANNNNNNNNNNN!	2	3413; 3760
TsoI	!NNNNNNNNNTGGYTA	4	1365; 2544; 3218; 4970
Tsp45I	!GTSAC	7	1439; 1501; 2307; 2657; 3730; 4561; 4867
Tsp509I	!AATT	13	18; 629; 1518; 3077; 3191; 3255; 3333; 3359; 3370; 4017; 4089; 4181; 5599
TspDTI	ATGAANNNNNNNNNNN!	5	2244; 2427; 3199; 4500; 5204
TspDTI	!NNNNNNNNNTTCAT	7	26; 2069; 2555; 2576; 4918; 5374; 5581
TspEI	!AATT	13	18; 629; 1518; 3077; 3191; 3255; 3333; 3359; 3370; 4017; 4089; 4181; 5599
TspGWI	ACGGANNNNNNNNNNN!	2	2364; 5316
TspGWI	!NNNNNNNNNTCCGT	1	2138
TspMI	C!CCGGG	3	783; 1132; 1810
TspRI	CASTGNN!	14	1099; 1168; 1444; 1881; 1952; 1994; 2037; 2112; 2339; 3287; 4570; 5680; 5951; 5964
TstI	CACNNNNNTCCNNNNNNNNNN!	0	
TstI	!NNNNNNNGGANNNNNNGTG	0	
TstI	GGANNNNNNGTGNNNNNNNNNN!	0	
TstI	!NNNNNNNCACNNNNNTCC	0	
Tth111I	GACN!NNGTC	1	4559
Tth111II	CAARCANNNNNNNNNNN!	2	2142; 5768
Tth111II	!NNNNNNNNNTGYTTG	3	4876; 5736; 5775
UnbI	!GGNCC	29	82; 275; 640; 713; 724; 753; 787; 805; 1010; 1018; 1333; 1395; 1672; 1680; 1807; 1894; 2004; 2086; 2100; 2525; 2768; 2860; 2881; 3547; 4956; 5401; 5447; 5505; 5538
Van91I	CCANNNN!NTGG	0	
Vha464I	C!TTAAG	1	3323
VneI	G!TGCAC	2	2456; 6045
VpaK11AI	!GGWCC	4	1333; 2086; 4956; 5401
VpaK11BI	G!GWCC	4	1334; 2087; 4957; 5402
VspI	AT!TAAT	1	7
XagI	CCTNN!NNNAGG	0	
XapI	R!AATTY	4	629; 3255; 3359; 3370
XbaI	T!CTAGA	1	3095
XceI	RCATG!Y	6	2000; 2408; 4011; 4083; 4846; 6363
XcmI	CCANNNNN!NNNTGG	0	
XhoI	C!TCGAG	1	613
XhoII	R!GATCY	13	585; 609; 970; 1494; 2351; 2916; 4612; 4858; 5250; 5609; 5621; 5707; 5718
XmaI	C!CCGGG	3	783; 1132; 1810
XmaJI	C!CTAGG	2	4263; 5278
XmiI	GT!MKAC	1	2956
XmnI	GAANN!NNTTC	4	708; 747; 844; 943
XspI	C!TAG	11	592; 1836; 2338; 3055; 3096; 3290; 3708; 4264; 5279; 5613; 5866
ZraI	GAC!GTC	4	123; 176; 259; 445
ZrmI	AGT!ACT	0	
Zsp2I	ATGCA!T	3	4013; 4085; 6416