

pArrestRed vector

Table of restriction sites

| Enzyme name | Sequence | Count | Cutting Position (the base to the left of the cut site) |
|-------------|-------------------------|-------|--|
| AanI | TTA!TAA | 2 | 2663; 2868 |
| AarI | CACCTGCNNNN! | 2 | 1374; 2160 |
| AarI | !NNNNNNNNGCAGGTG | 1 | 822 |
| AasI | GACNNNN!NNGTC | 3 | 2951; 3907; 5696 |
| AatI | AGG!CCT | 1 | 3701 |
| AatII | GACGT!C | 4 | 125; 178; 261; 447 |
| AbsI | CC!TCGAGG | 1 | 1005 |
| AccI | GT!MKAC | 0 | |
| AccII | CG!CG | 23 | 60; 1429; 1582; 1654; 1672; 2215; 2368; 2440; 2458; 2529; 2804; 3180; 3200; 3224; 3255; 3946; 4247; 4685; 4769; 4832; 4901; 5174; 5755 |
| AccIII | T!CCGGA | 0 | |
| Acc16I | TGC!GCA | 1 | 3982 |
| Acc36I | ACCTGCNNNN! | 4 | 1374; 2160; 4148; 4598 |
| Acc36I | !NNNNNNNNGCAGGT | 3 | 740; 822; 3767 |
| Acc65I | G!GTACC | 2 | 597; 1770 |
| AccB1I | G!GYRCC | 9 | 465; 597; 1326; 1740; 1770; 2112; 3033; 3879; 3914 |
| AccB7I | CCANNNN!NTGG | 4 | 1189; 1439; 1975; 2225 |
| AccBSI | CCG!CTC | 2 | 3304; 4493 |
| AccBSI | GAG!CGG | 2 | 3140; 4547 |
| AceIII | CAGCTCNNNNNNN! | 2 | 1775; 2836 |
| AceIII | !NNNNNNNNNNGAGCTG | 5 | 552; 1175; 1341; 1961; 2127 |
| AcI | C!CGC | 51 | 58; 86; 98; 112; 279; 507; 589; 601; 634; 707; 845; 1036; 1238; 1301; 1379; 1522; 1580; 1700; 1774; 1822; 2024; 2087; 2165; 2308; 2366; 2486; 2527; 3195; 3198; 3212; 3302; 3550; 3562; 3571; 3583; 3593; 3604; 3650; 3789; 3852; 4354; 4399; 4465; 4491; 4616; 4619; 4767; 4899; 5206; 5350; 5846 |
| AcI | G!CGG | 32 | 370; 403; 528; 595; 660; 685; 1030; 1531; 1759; 1816; 2317; 2523; 3140; 3167; 3255; 3365; 3946; 4010; 4111; 4114; 4394; 4449; 4547; 4685; 4832; 4972; 5215; 5460; 5581; 5600; 5727; 5755 |
| AcII | AA!CGTT | 0 | |
| AcIWI | GGATCNNNN! | 8 | 994; 3748; 4059; 4305; 4697; 5056; 5154; 5240 |
| AcIWI | !NNNNNGATCC | 11 | 580; 884; 981; 1205; 1586; 1991; 2372; 4124; 4668; 5055; 5152 |
| AcoI | Y!GGCCR | 12 | 898; 928; 1091; 1111; 1798; 1877; 1897; 2524; 3786; 3960; 4351; 4378 |
| AcsI | R!AATTY | 4 | 797; 2694; 2798; 2809 |
| AcuI | CTGAAGNNNNNNNNNNNNNNNN! | 3 | 765; 4026; 4458 |
| AcuI | !NNNNNNNNNNNNNNCTTCAG | 1 | 5256 |
| AcvI | CAC!GTG | 2 | 1661; 2447 |
| AcyI | GR!CGYC | 7 | 122; 175; 258; 444; 3880; 4582; 4661 |
| AdeI | CACNNN!GTG | 8 | 941; 1160; 1610; 1694; 1946; 2396; 2480; 2996 |
| AfaI | GT!AC | 14 | 219; 244; 299; 332; 383; 540; 599; 735; 953; 972; 1218; 1772; 2004; 4186 |
| AfeI | AGC!GCT | 2 | 867; 980 |
| AfiI | CCNNNNN!NNGG | 26 | 49; 644; 765; 1189; 1439; 1541; 1673; 1975; 2225; 2327; 2459; 2892; 3218; 3610; 3861; 4405; 4686; 4718; 4850; 4885; 4935; 4967; 5320; 5599; 5765; 5783 |
| AflIII | C!TTAAG | 1 | 2762 |
| AflIII | A!CRYGT | 5 | 1465; 1660; 2251; 2446; 5798 |
| AgeI | A!CCGGT | 1 | 992 |
| AgsI | TTS!AA | 11 | 1064; 1148; 1571; 1850; 1934; 2357; 3291; 3335; 3345; 3758; 5334 |
| AhdI | GACNNN!NNGTC | 0 | |
| AhlI | 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) |
|-------------|-----------------------------|-------|--|
| AjnI | !CCWGG | 16 | 88; 281; 847; 882; 917; 1267; 2053; 3414; 3469; 3486; 4265; 4844; 4947; 5637; 5650; 5771 |
| AjuI | GAANNNNNNNTTGGNNNNNNNNNN! | 0 | |
| AjuI | !NNNNNNCCAANNNNNNNTTC | 0 | |
| AjuI | CCAANNNNNNNTTCNNNNNNNNNN! | 0 | |
| AjuI | !NNNNNNNGAANNNNNNNTTGG | 0 | |
| AleI | CACNN!NNGTG | 4 | 1107; 1368; 1893; 2154 |
| AlfI | GCANNNNNNTGCNNNNNNNNNN! | 2 | 3454; 3526 |
| AlfI | !NNNNNNNNNGCANNNNNNNTGC | 2 | 3420; 3492 |
| AloI | GAACNNNNNNNTCCNNNNNNNNNN! | 1 | 2962 |
| AloI | !NNNNNNNGGANNNNNNGTTC | 0 | |
| AloI | GGANNNNNNGTTCNNNNNNNNNN! | 0 | |
| AloI | !NNNNNNNGAACNNNNNNNTCC | 1 | 2930 |
| AluI | AG!CT | 24 | 566; 718; 1178; 1189; 1355; 1436; 1499; 1765; 1964; 1975; 2141; 2222; 2285; 2659; 2826; 3083; 3378; 3666; 3986; 4444; 5241; 5498; 5544; 5634 |
| AluBI | AG!CT | 24 | 566; 718; 1178; 1189; 1355; 1436; 1499; 1765; 1964; 1975; 2141; 2222; 2285; 2659; 2826; 3083; 3378; 3666; 3986; 4444; 5241; 5498; 5544; 5634 |
| AlwI | GGATCNNNN! | 8 | 994; 3748; 4059; 4305; 4697; 5056; 5154; 5240 |
| AlwI | !NNNNNGATCC | 11 | 580; 884; 981; 1205; 1586; 1991; 2372; 4124; 4668; 5055; 5152 |
| Alw21I | GWGCW!C | 5 | 1156; 1942; 3993; 4183; 5488 |
| Alw26I | GTCTCN! | 1 | 434 |
| Alw26I | !NNNNNGAGAC | 8 | 1161; 1452; 1947; 2238; 3304; 3722; 4741; 4869 |
| Alw44I | G!TGCAC | 3 | 1152; 1938; 5484 |
| AlwNI | CAGNNN!CTG | 2 | 4981; 5389 |
| Ama87I | C!YCGRG | 3 | 1005; 1281; 2067 |
| Aor13HI | T!CCGGA | 0 | |
| Aor51HI | AGC!GCT | 2 | 867; 980 |
| ApaI | GGGCC!C | 0 | |
| ApaBI | GCANNNNN!TGC | 3 | 3448; 3520; 4982 |
| ApaLI | G!TGCAC | 3 | 1152; 1938; 5484 |
| ApeKI | G!CWGC | 27 | 703; 911; 914; 1120; 1123; 1178; 1576; 1747; 1756; 1762; 1906; 1909; 1964; 2362; 2656; 3175; 3840; 3941; 3983; 4024; 4117; 4504; 4957; 5183; 5389; 5392; 5457 |
| ApoI | R!AATTY | 4 | 797; 2694; 2798; 2809 |
| ApyPI | ATCGACNNNNNNNNNNNNNNNNNN! | 5 | 1099; 1321; 1885; 2107; 4395 |
| ApyPI | !NNNNNNNNNNNNNNNNNNNGTCGAT | 3 | 4189; 4842; 5680 |
| AquII | GCCGNACNNNNNNNNNNNNNNNNNN! | 1 | 4279 |
| AquII | !NNNNNNNNNNNNNNNNNNNGTNCGGC | 2 | 1198; 1984 |
| AquIII | GAGGAGNNNNNNNNNNNNNNNNNN! | 1 | 3708 |
| AquIII | !NNNNNNNNNNNNNNNNNNNCTCCTC | 1 | 1759 |
| AquIV | GRGGAAGNNNNNNNNNNNNNNNNNN! | 0 | |
| AquIV | !NNNNNNNNNNNNNNNNNNCTCCYC | 3 | 1259; 2045; 4450 |
| ArsI | GACNNNNNTTYGNNNNNNNNNN! | 0 | |
| ArsI | !NNNNNNCRAANNNNNNNGTC | 0 | |
| ArsI | CRAANNNNNGTCNNNNNNNNNN! | 0 | |
| ArsI | !NNNNNNNGACNNNNNNNTTYG | 0 | |
| AscI | GG!CGCGCC | 0 | |
| AseI | AT!TAAT | 1 | 7 |
| Asi256I | G!ATC | 24 | 586; 890; 987; 1211; 1592; 1997; 2378; 2538; 3718; 3722; 3741; 4052; 4130; 4211; 4220; 4298; 4674; 4690; 5049; 5061; 5139; 5147; 5158; 5233 |
| AsiGI | A!CCGGT | 1 | 992 |
| AsiSI | GCGAT!CGC | 0 | |
| AspI | GACN!NNGTC | 1 | 3998 |
| Asp700I | GAANN!NNTTC | 0 | |
| Asp718I | G!GTACC | 2 | 597; 1770 |
| AspA2I | C!CTAGG | 2 | 3702; 4717 |
| AspEI | GACNN!NNGTC | 0 | |
| AspLEI | GCG!C | 42 | 674; 697; 703; 826; 854; 868; 907; 981; 1312; 1429; 1495; 1584; 1654; 1672; 1713; 2098; 2215; 2281; 2370; 2440; 2458; 2499; 3146; 3154; 3180; 3202; 3211; 3224; 3255; 3874; 3882; 3946; 3983; 4249; 4509; 4685; 4771; 5174; 5283; 5457; 5557; 5624 |

| Enzyme name | Sequence | Count | Cutting Position (the base to the left of the cut site) |
|-------------|--------------------------|-------|---|
| AspS9I | G!GNCC | 21 | 83; 276; 752; 1032; 1286; 1416; 1479; 1544; 1599; 1818; 2072; 2202; 2265; 2330; 2385; 2987; 4396; 4841; 4887; 4945; 4978 |
| AssI | AGT!ACT | 0 | |
| AsuII | TT!CGAA | 1 | 4562 |
| AsuC2I | CC!SGG | 6 | 1597; 2383; 3884; 4044; 4657; 5421 |
| AsuHPI | GGTGANNNNNNNN! | 9 | 376; 674; 846; 1097; 1385; 1883; 2171; 4951; 5067 |
| AsuHPI | !NNNNNNNTCACC | 14 | 869; 956; 1094; 1376; 1508; 1613; 1697; 1880; 2162; 2294; 2399; 2483; 2997; 4058 |
| AsuNHI | G!CTAGC | 1 | 591 |
| AvaI | C!YCGRG | 3 | 1005; 1281; 2067 |
| AvaII | G!GWCC | 3 | 752; 4396; 4841 |
| AviII | TGC!GCA | 1 | 3982 |
| AvrII | C!CTAGG | 2 | 3702; 4717 |
| AxyI | CC!TNAGG | 2 | 3360; 4992 |
| BaeI | ACNNNNGTAYCNNNNNNNNNN! | 0 | |
| BaeI | !NNNNNNNGRTACNNNNGT | 0 | |
| BaeI | GRTACNNNNGTNNNNNNNNNNNN! | 0 | |
| BaeI | !NNNNNNNNNACNNNNNGTAYC | 0 | |
| BaeGI | GKGC!C | 7 | 1156; 1699; 1942; 2485; 3826; 3919; 5488 |
| BalI | TGG!CCA | 3 | 930; 1800; 3962 |
| BamHI | G!GATCC | 1 | 986 |
| BanI | G!GYRCC | 9 | 465; 597; 1326; 1740; 1770; 2112; 3033; 3879; 3914 |
| BanII | GRGCY!C | 6 | 651; 1228; 2014; 3071; 4245; 4955 |
| BanIII | AT!CGAT | 1 | 3720 |
| BarI | GAAGNNNNNTACNNNNNNNNNN! | 0 | |
| BarI | !NNNNNNNGTANNNNNNCTTC | 0 | |
| BarI | GTANNNNNNCTTCNNNNNNNNNN! | 0 | |
| BarI | !NNNNNNNGAAGNNNNNNNTAC | 0 | |
| BasI | CCANNNN!NTGG | 4 | 1189; 1439; 1975; 2225 |
| BauI | C!ACGAG | 2 | 4598; 5625 |
| BauI | C!TCGTG | 1 | 4472 |
| BbeI | GGCGC!C | 1 | 3883 |
| Bbr7I | GAAGACNNNNNN! | 0 | |
| Bbr7I | !NNNNNNNNNNNGTCTTC | 0 | |
| BbrPI | CAC!GTG | 2 | 1661; 2447 |
| BbsI | GAAGACNN! | 0 | |
| BbsI | !NNNNNNGTCTTC | 0 | |
| BbuI | GCATG!C | 3 | 3450; 3522; 4285 |
| BbvI | GCAGCNNNNNN! | 13 | 715; 1132; 1588; 1759; 1774; 1918; 2374; 2668; 3953; 3995; 4516; 4969; 5469 |
| BbvI | !NNNNNNNNNNNGCTGC | 9 | 898; 1165; 1951; 3162; 3827; 4011; 4104; 5170; 5376 |
| Bbv12I | GWGCW!C | 5 | 1156; 1942; 3993; 4183; 5488 |
| BbvCI | CC!TCAGC | 0 | |
| BbvCI | GC!TGAGG | 0 | |
| BccI | CCATCNNNN! | 19 | 732; 882; 969; 1113; 1206; 1428; 1593; 1623; 1722; 1899; 1992; 2214; 2379; 2409; 2508; 3010; 3574; 4100; 4602 |
| BccI | !NNNNNGATGG | 6 | 1535; 1725; 2321; 2978; 3758; 4186 |
| BceAI | ACGGCNNNNNNNNNN! | 23 | 913; 1094; 1133; 1154; 1235; 1265; 1340; 1415; 1493; 1544; 1589; 1880; 1919; 1940; 2021; 2051; 2126; 2201; 2279; 2330; 2375; 4306; 4793 |
| BceAI | !NNNNNNNNNNNGCCGT | 9 | 885; 924; 1143; 1473; 1929; 2259; 3021; 3839; 5298 |
| BceFI | ACGGCNNNNNNNNNN! | 23 | 913; 1094; 1133; 1154; 1235; 1265; 1340; 1415; 1493; 1544; 1589; 1880; 1919; 1940; 2021; 2051; 2126; 2201; 2279; 2330; 2375; 4306; 4793 |
| BceFI | !NNNNNNNNNNNGCCGT | 9 | 886; 925; 1144; 1474; 1930; 2260; 3022; 3840; 5299 |
| BcgI | CGANNNNNNTGCNNNNNNNNNN! | 0 | |
| BcgI | !NNNNNNNNNNNGCANNNNNNTCG | 0 | |
| BcgI | GCANNNNNNTCGNNNNNNNNNN! | 0 | |
| BcgI | !NNNNNNNNNNNCGANNNNNNTGC | 0 | |
| BciVI | GTATCCNNNNNN! | 3 | 3309; 4099; 5600 |
| BciVI | !NNNNNGGATAC | 0 | |
| BclI | T!GATCA | 0 | |
| BcnI | CC!SGG | 6 | 1597; 2383; 3884; 4044; 4657; 5421 |
| BcuI | A!CTAGT | 0 | |
| BdaI | TGANNNNNNTCANNNNNNNNN! | 5 | 1398; 1635; 2184; 2421; 5733 |
| BdaI | !NNNNNNNNNNTGANNNNNNTCA | 5 | 1364; 1601; 2150; 2387; 5699 |

| Enzyme name | Sequence | Count | Cutting Position (the base to the left of the cut site) |
|-------------|--------------------------|-------|---|
| BfaI | C!TAG | 8 | 592; 2535; 2729; 3147; 3703; 4718; 5052; 5305 |
| BfiI | ACTGGGNNNNN! | 1 | 3829 |
| BfiI | !NNNNCCAGT | 2 | 289; 3581 |
| BfmI | C!TRYAG | 3 | 3215; 5342; 5533 |
| BfoI | RGCGC!Y | 8 | 869; 982; 1714; 2500; 3147; 3155; 3883; 5558 |
| BfrI | C!TTAAG | 1 | 2762 |
| BfuI | GTATCCNNNNN! | 3 | 3309; 4099; 5600 |
| BfuI | !NNNNNGGATAC | 0 | |
| BfuAI | ACCTGCNNNN! | 4 | 1374; 2160; 4148; 4598 |
| BfuAI | !NNNNNNNNGCAGGT | 3 | 740; 822; 3767 |
| BfuCI | !GATC | 24 | 585; 889; 986; 1210; 1591; 1996; 2377; 2537; 3717; 3721; 3740; 4051; 4129; 4210; 4219; 4297; 4673; 4689; 5048; 5060; 5138; 5146; 5157; 5232 |
| BglI | GCCNNNN!NGGC | 4 | 90; 212; 283; 3655 |
| BglII | A!GATCT | 0 | |
| BisI | GC!NGC | 54 | 686; 704; 707; 912; 915; 1031; 1121; 1124; 1179; 1379; 1532; 1577; 1580; 1748; 1760; 1763; 1817; 1907; 1910; 1965; 2165; 2318; 2363; 2366; 2524; 2527; 2657; 3176; 3198; 3212; 3650; 3789; 3841; 3852; 3942; 3947; 3984; 4025; 4112; 4115; 4118; 4354; 4450; 4491; 4505; 4619; 4958; 4973; 5184; 5390; 5393; 5458; 5601; 5756 |
| BlnI | C!CTAGG | 2 | 3702; 4717 |
| BlpI | GC!TNAGC | 0 | |
| BlsI | GCN!GC | 54 | 687; 705; 708; 913; 916; 1032; 1122; 1125; 1180; 1380; 1533; 1578; 1581; 1749; 1761; 1764; 1818; 1908; 1911; 1966; 2166; 2319; 2364; 2367; 2525; 2528; 2658; 3177; 3199; 3213; 3651; 3790; 3842; 3853; 3943; 3948; 3985; 4026; 4113; 4116; 4119; 4355; 4451; 4492; 4506; 4620; 4959; 4974; 5185; 5391; 5394; 5459; 5602; 5757 |
| BmcAI | AGT!ACT | 0 | |
| Bme18I | G!GWCC | 3 | 752; 4396; 4841 |
| Bme1390I | CC!NGG | 22 | 90; 283; 849; 884; 919; 1269; 1597; 2055; 2383; 3416; 3471; 3488; 3884; 4044; 4267; 4657; 4846; 4949; 5421; 5639; 5652; 5773 |
| BmeRI | GACNNN!NNGTC | 0 | |
| BmeT110I | C!YCGRG | 3 | 1005; 1281; 2067 |
| BmgBI | CAC!GTC | 0 | |
| BmgBI | GAC!GTG | 0 | |
| BmgT120I | GG!NCC | 21 | 84; 277; 753; 1033; 1287; 1417; 1480; 1545; 1600; 1819; 2073; 2203; 2266; 2331; 2386; 2988; 4397; 4842; 4888; 4946; 4979 |
| BmiI | GGN!NCC | 27 | 467; 599; 650; 988; 1034; 1328; 1418; 1481; 1742; 1772; 1820; 2114; 2204; 2267; 3035; 3056; 3068; 3259; 3420; 3492; 3881; 3916; 4764; 4843; 4888; 5731; 5770 |
| BmrI | ACTGGGNNNNN! | 1 | 3829 |
| BmrI | !NNNNCCAGT | 2 | 289; 3581 |
| BmrFI | CC!NGG | 22 | 90; 283; 849; 884; 919; 1269; 1597; 2055; 2383; 3416; 3471; 3488; 3884; 4044; 4267; 4657; 4846; 4949; 5421; 5639; 5652; 5773 |
| BmsI | GCATCNNNNN! | 16 | 799; 835; 1261; 1303; 1390; 1711; 2047; 2089; 2176; 2497; 2696; 3459; 3531; 4179; 4243; 4518 |
| BmsI | !NNNNNNNNGATGC | 5 | 357; 3838; 4093; 4309; 5701 |
| BmtI | GCTAG!C | 1 | 595 |
| BmuI | ACTGGGNNNNN! | 1 | 3829 |
| BmuI | !NNNNCCAGT | 2 | 289; 3581 |
| BoxI | GACNN!NNGTC | 0 | |
| BpiI | GAAGACNN! | 0 | |
| BpiI | !NNNNNNGTCTTC | 0 | |
| BpI | GAGNNNNNCTCNNNNNNNNNNNN! | 2 | 3669; 4568 |
| BpI | !NNNNNNNNGAGNNNNNCTC | 2 | 3637; 4536 |
| BpmI | CTGGAGNNNNNNNNNNNNNNNN! | 1 | 4720 |
| BpmI | !NNNNNNNNNNNNNNNCTCCAG | 2 | 866; 4663 |
| Bpu10I | CC!TNAGC | 2 | 1290; 2076 |
| Bpu10I | GC!TNAGG | 1 | 982 |
| Bpu14I | TT!CGAA | 1 | 4562 |
| Bpu1102I | GC!TNAGC | 0 | |
| BpuAI | GAAGACNN! | 0 | |
| BpuAI | !NNNNNNGTCTTC | 0 | |

| Enzyme name | Sequence | Count | Cutting Position (the base to the left of the cut site) |
|-------------|---------------------------|-------|--|
| BpuEI | CTTGAGNNNNNNNNNNNNNNNN! | 2 | 5174; 5713 |
| BpuEI | !NNNNNNNNNNNNNNCTCAAG | 2 | 4256; 5415 |
| BpuMI | CC!SGG | 6 | 1597; 2383; 3884; 4044; 4657; 5421 |
| BpvUI | CGAT!CG | 0 | |
| BsaI | GGTCTCN! | 0 | |
| BsaI | !NNNNNGAGACC | 5 | 1161; 1452; 1947; 2238; 4869 |
| Bsa29I | AT!CGAT | 1 | 3720 |
| BsaAI | YAC!GTR | 5 | 340; 1661; 2447; 2996; 4184 |
| BsaBI | GATNN!NNATC | 2 | 2542; 3739 |
| BsaHI | GR!CGYC | 7 | 122; 175; 258; 444; 3880; 4582; 4661 |
| BsaJI | C!CNNGG | 31 | 360; 778; 784; 883; 918; 946; 1015; 1136; 1267; 1282; 1475; 1595; 1783; 1801; 1922; 2053; 2068; 2261; 2381; 3414; 3486; 3609; 3644; 3653; 3702; 4043; 4312; 4717; 4845; 4948; 5638 |
| BsaMI | GAATGCN! | 1 | 2631 |
| BsaMI | G!CATTC | 1 | 2724 |
| BsaWI | W!CCGGW | 6 | 992; 1767; 3911; 4755; 5445; 5592 |
| BsaXI | ACNNNNNCTCCNNNNNNNNNN! | 1 | 2960 |
| BsaXI | !NNNNNNNGGAGNNNNNGT | 0 | |
| BsaXI | GGAGNNNNNGTNNNNNNNNNN! | 0 | |
| BsaXI | !NNNNNNNNNACNNNNNCTCC | 1 | 2930 |
| BsbI | CAACACNNNNNNNNNNNNNNNNNN! | 0 | |
| BsbI | !NNNNNNNNNNNNNNNNNGTGTTG | 2 | 2881; 4788 |
| Bsc4I | CCNNNNN!NNGG | 26 | 49; 644; 765; 1189; 1439; 1541; 1673; 1975; 2225; 2327; 2459; 2892; 3218; 3610; 3861; 4405; 4686; 4718; 4850; 4885; 4935; 4967; 5320; 5599; 5765; 5783 |
| BscAI | GCATCNNNN! | 16 | 798; 834; 1260; 1302; 1389; 1710; 2046; 2088; 2175; 2496; 2695; 3458; 3530; 4178; 4242; 4517 |
| BscAI | !NNNNNGATGC | 5 | 360; 3841; 4096; 4312; 5704 |
| BseI | ACTGGN! | 3 | 3824; 4025; 5271 |
| BseI | C!CAGT | 7 | 295; 1214; 2000; 2909; 3587; 5383; 5396 |
| Bse8I | GATNN!NNATC | 2 | 2542; 3739 |
| Bse21I | CC!TNAGG | 2 | 3360; 4992 |
| Bse118I | R!CCGGY | 10 | 765; 992; 1170; 1743; 1752; 1956; 3097; 4199; 4380; 4663 |
| BseAI | T!CCGGA | 0 | |
| BseBI | CC!WGG | 16 | 90; 283; 849; 884; 919; 1269; 2055; 3416; 3471; 3488; 4267; 4846; 4949; 5639; 5652; 5773 |
| BseCI | AT!CGAT | 1 | 3720 |
| BseDI | C!CNNGG | 31 | 360; 778; 784; 883; 918; 946; 1015; 1136; 1267; 1282; 1475; 1595; 1783; 1801; 1922; 2053; 2068; 2261; 2381; 3414; 3486; 3609; 3644; 3653; 3702; 4043; 4312; 4717; 4845; 4948; 5638 |
| Bse3DI | GCAATGNN! | 1 | 4113 |
| Bse3DI | !CATTGC | 0 | |
| BseGI | GGATGNN! | 5 | 1736; 3740; 4197; 4222; 4676 |
| BseGI | !CATCC | 3 | 1444; 2230; 3566 |
| BseJI | GATNN!NNATC | 2 | 2542; 3739 |
| BseLI | CCNNNNN!NNGG | 26 | 49; 644; 765; 1189; 1439; 1541; 1673; 1975; 2225; 2327; 2459; 2892; 3218; 3610; 3861; 4405; 4686; 4718; 4850; 4885; 4935; 4967; 5320; 5599; 5765; 5783 |
| BseMI | GCAATGNN! | 1 | 4113 |
| BseMI | !CATTGC | 0 | |
| BseMII | CTCAGNNNNNNNNNN! | 1 | 5006 |
| BseMII | !NNNNNNNNCTGAG | 7 | 1281; 2067; 3351; 3653; 4534; 5106; 5515 |
| BseNI | ACTGGN! | 3 | 3824; 4025; 5271 |
| BseNI | C!CAGT | 7 | 295; 1214; 2000; 2909; 3587; 5383; 5396 |
| BsePI | G!CGCGC | 0 | |
| BseRI | GAGGAGNNNNNNNNNN! | 1 | 3698 |
| BseRI | !NNNNNNNNCTCCTC | 1 | 1769 |
| BseSI | GKGCMLC | 7 | 1156; 1699; 1942; 2485; 3826; 3919; 5488 |
| BseXI | GCAGCNNNNNNNN! | 13 | 715; 1132; 1588; 1759; 1774; 1918; 2374; 2668; 3953; 3995; 4516; 4969; 5469 |
| BseXI | !NNNNNNNNNNNGCTGC | 9 | 898; 1165; 1951; 3162; 3827; 4011; 4104; 5170; 5376 |
| BseX3I | C!GGCCG | 3 | 898; 2524; 3786 |
| BseYI | C!CCAGC | 3 | 3423; 3495; 5494 |
| BseYI | G!CTGGG | 1 | 4384 |
| BsgI | GTGCAGNNNNNNNNNNNNNNNN! | 0 | |
| BsgI | !NNNNNNNNNNNNNNCTGCAC | 0 | |

| Enzyme name | Sequence | Count | Cutting Position (the base to the left of the cut site) |
|-------------|------------------------|-------|--|
| Bsh1236I | CG!CG | 23 | 60; 1429; 1582; 1654; 1672; 2215; 2368; 2440; 2458; 2529; 2804; 3180; 3200; 3224; 3255; 3946; 4247; 4685; 4769; 4832; 4901; 5174; 5755 |
| Bsh1285I | CGRY!CG | 7 | 901; 997; 1301; 2087; 2527; 3789; 5464 |
| BshFI | GG!CC | 48 | 84; 277; 783; 900; 930; 960; 1011; 1033; 1093; 1113; 1288; 1417; 1480; 1503; 1534; 1546; 1600; 1680; 1800; 1819; 1879; 1899; 2074; 2203; 2266; 2289; 2320; 2332; 2386; 2466; 2526; 2846; 2988; 3643; 3649; 3658; 3701; 3788; 3962; 4353; 4380; 4889; 4946; 4979; 5324; 5758; 5776; 5787 |
| BshNI | G!GYRCC | 9 | 465; 597; 1326; 1740; 1770; 2112; 3033; 3879; 3914 |
| BshTI | A!CCGGT | 1 | 992 |
| BshVI | AT!CGAT | 1 | 3720 |
| BsiEI | CGRY!CG | 7 | 901; 997; 1301; 2087; 2527; 3789; 5464 |
| BsiHKAI | GWGCW!C | 5 | 1156; 1942; 3993; 4183; 5488 |
| BsiHKCI | C!YCGRG | 3 | 1005; 1281; 2067 |
| BsiSI | C!CGG | 25 | 766; 993; 1171; 1597; 1744; 1753; 1768; 1957; 2383; 3098; 3785; 3862; 3884; 3912; 4043; 4133; 4200; 4381; 4656; 4664; 4756; 5230; 5420; 5446; 5593 |
| BsiWI | C!GTACG | 0 | |
| BsII | CCNNNNN!NNGG | 26 | 49; 644; 765; 1189; 1439; 1541; 1673; 1975; 2225; 2327; 2459; 2892; 3218; 3610; 3861; 4405; 4686; 4718; 4850; 4885; 4935; 4967; 5320; 5599; 5765; 5783 |
| BsIFI | GGGACNNNNNNNNNN! | 8 | 175; 326; 494; 1650; 2436; 4031; 4563; 4672 |
| BsIFI | !NNNNNNNNNNNNNGTCCC | 4 | 3396; 3468; 3532; 4827 |
| BsmI | GAATGCN! | 1 | 2631 |
| BsmI | G!CATTC | 1 | 2724 |
| BsmAI | GTCTCN! | 1 | 434 |
| BsmAI | !NNNNNGAGAC | 8 | 1161; 1452; 1947; 2238; 3304; 3722; 4741; 4869 |
| BsmBI | CGTCTCN! | 0 | |
| BsmBI | !NNNNNGAGACG | 0 | |
| BsmFI | GGGACNNNNNNNNNN! | 8 | 175; 326; 494; 1650; 2436; 4031; 4563; 4672 |
| BsmFI | !NNNNNNNNNNNNNGTCCC | 4 | 3396; 3468; 3532; 4827 |
| BsnI | GG!CC | 48 | 84; 277; 783; 900; 930; 960; 1011; 1033; 1093; 1113; 1288; 1417; 1480; 1503; 1534; 1546; 1600; 1680; 1800; 1819; 1879; 1899; 2074; 2203; 2266; 2289; 2320; 2332; 2386; 2466; 2526; 2846; 2988; 3643; 3649; 3658; 3701; 3788; 3962; 4353; 4380; 4889; 4946; 4979; 5324; 5758; 5776; 5787 |
| Bso31I | GGTCTCN! | 0 | |
| Bso31I | !NNNNNGAGACC | 5 | 1161; 1452; 1947; 2238; 4869 |
| BsoBI | C!YCGRG | 3 | 1005; 1281; 2067 |
| Bsp13I | T!CCGGA | 0 | |
| Bsp19I | C!CATGG | 6 | 360; 784; 1015; 1801; 3609; 4312 |
| Bsp24I | GACNNNNNTGGNNNNNNNNNN! | 2 | 289; 4683 |
| Bsp24I | !NNNNNNCCANNNNNGTC | 2 | 5104; 5282 |
| Bsp24I | CCANNNNNGTCNNNNNNNNNN! | 2 | 5136; 5314 |
| Bsp24I | !NNNNNNNGACNNNNNTGG | 2 | 257; 4651 |
| Bsp68I | TCG!CGA | 0 | |
| Bsp119I | TT!CGAA | 1 | 4562 |
| Bsp120I | G!GGCCC | 0 | |
| Bsp143I | !GATC | 24 | 585; 889; 986; 1210; 1591; 1996; 2377; 2537; 3717; 3721; 3740; 4051; 4129; 4210; 4219; 4297; 4673; 4689; 5048; 5060; 5138; 5146; 5157; 5232 |
| Bsp1286I | GDGCH!C | 15 | 651; 1156; 1228; 1699; 1942; 2014; 2485; 3071; 3826; 3919; 3993; 4183; 4245; 4955; 5488 |
| Bsp1407I | T!GTACA | 1 | 733 |
| Bsp1720I | GC!TNAGC | 0 | |
| BspACI | C!CGC | 51 | 58; 86; 98; 112; 279; 507; 589; 601; 634; 707; 845; 1036; 1238; 1301; 1379; 1522; 1580; 1700; 1774; 1822; 2024; 2087; 2165; 2308; 2366; 2486; 2527; 3195; 3198; 3212; 3302; 3550; 3562; 3571; 3583; 3593; 3604; 3650; 3789; 3852; 4354; 4399; 4465; 4491; 4616; 4619; 4767; 4899; 5206; 5350; 5846 |
| BspACI | G!CGG | 32 | 370; 403; 528; 595; 660; 685; 1030; 1531; 1759; 1816; 2317; 2523; 3140; 3167; 3255; 3365; 3946; 4010; 4111; 4114; 4394; 4449; 4547; 4685; 4832; 4972; 5215; 5460; 5581; 5600; 5727; 5755 |
| BspCNI | CTCAGNNNNNNNN! | 1 | 5005 |
| BspCNI | !NNNNNNCTGAG | 7 | 1282; 2068; 3352; 3654; 4535; 5107; 5516 |
| BspDI | AT!CGAT | 1 | 3720 |

| Enzyme name | Sequence | Count | Cutting Position (the base to the left of the cut site) |
|-------------|-----------------|-------|--|
| BspD6I | GACTCNNNN! | 5 | 418; 2539; 2953; 4559; 5436 |
| BspD6I | !NNNNNNGAGTC | 2 | 2916; 3348 |
| BspEI | T!CCGGA | 0 | |
| BspFNI | CG!CG | 23 | 60; 1429; 1582; 1654; 1672; 2215; 2368; 2440; 2458; 2529; 2804; 3180; 3200; 3224; 3255; 3946; 4247; 4685; 4769; 4832; 4901; 5174; 5755 |
| BspHI | T!CATGA | 3 | 793; 3306; 5078 |
| BspLI | GGN!NCC | 27 | 467; 599; 650; 988; 1034; 1328; 1418; 1481; 1742; 1772; 1820; 2114; 2204; 2267; 3035; 3056; 3068; 3259; 3420; 3492; 3881; 3916; 4764; 4843; 4888; 5731; 5770 |
| BspMI | ACCTGCNNNN! | 4 | 1374; 2160; 4148; 4598 |
| BspMI | !NNNNNNNNGCAGGT | 3 | 740; 822; 3767 |
| BspOI | GCTAG!C | 1 | 595 |
| BspPI | GGATCNNNN! | 8 | 994; 3748; 4059; 4305; 4697; 5056; 5154; 5240 |
| BspPI | !NNNNNGATCC | 11 | 580; 884; 981; 1205; 1586; 1991; 2372; 4124; 4668; 5055; 5152 |
| BspQI | GCTCTCN! | 0 | |
| BspQI | !NNNNGAAGAGC | 2 | 4224; 4434 |
| BspTI | C!TTAAG | 1 | 2762 |
| BspT104I | TT!CGAA | 1 | 4562 |
| BspT107I | G!GYRCC | 9 | 465; 597; 1326; 1740; 1770; 2112; 3033; 3879; 3914 |
| BspTNI | GGTCTCN! | 0 | |
| BspTNI | !NNNNNGAGACC | 5 | 1161; 1452; 1947; 2238; 4869 |
| BsrI | ACTGGN! | 3 | 3824; 4025; 5271 |
| BsrI | C!CAGT | 7 | 295; 1214; 2000; 2909; 3587; 5383; 5396 |
| BsrBI | CCG!CTC | 2 | 3304; 4493 |
| BsrBI | GAG!CGG | 2 | 3140; 4547 |
| BsrDI | GCAATGNN! | 1 | 4113 |
| BsrDI | !CATTGC | 0 | |
| BsrFI | R!CCGGY | 10 | 765; 992; 1170; 1743; 1752; 1956; 3097; 4199; 4380; 4663 |
| BsrGI | T!GTACA | 1 | 733 |
| BsrSI | ACTGGN! | 3 | 3824; 4025; 5271 |
| BsrSI | C!CAGT | 7 | 295; 1214; 2000; 2909; 3587; 5383; 5396 |
| BssAI | R!CCGGY | 10 | 765; 992; 1170; 1743; 1752; 1956; 3097; 4199; 4380; 4663 |
| BssECI | C!CNNGG | 31 | 360; 778; 784; 883; 918; 946; 1015; 1136; 1267; 1282; 1475; 1595; 1783; 1801; 1922; 2053; 2068; 2261; 2381; 3414; 3486; 3609; 3644; 3653; 3702; 4043; 4312; 4717; 4845; 4948; 5638 |
| BssHII | G!CGCGC | 0 | |
| BssKI | !CCNGG | 22 | 88; 281; 847; 882; 917; 1267; 1595; 2053; 2381; 3414; 3469; 3486; 3882; 4042; 4265; 4655; 4844; 4947; 5419; 5637; 5650; 5771 |
| BssMI | !GATC | 24 | 585; 889; 986; 1210; 1591; 1996; 2377; 2537; 3717; 3721; 3740; 4051; 4129; 4210; 4219; 4297; 4673; 4689; 5048; 5060; 5138; 5146; 5157; 5232 |
| BssNI | GR!CGYC | 7 | 122; 175; 258; 444; 3880; 4582; 4661 |
| BssNAI | GTA!TAC | 0 | |
| BssSI | C!ACGAG | 2 | 4598; 5625 |
| BssSI | C!TCGTG | 1 | 4472 |
| BssTII | C!CWWGG | 9 | 360; 778; 784; 1015; 1801; 3609; 3702; 4312; 4717 |
| Bst6I | CTCTCN! | 0 | |
| Bst6I | !NNNNGAAGAG | 3 | 3347; 4224; 4434 |
| Bst98I | C!TTAAG | 1 | 2762 |
| Bst1107I | GTA!TAC | 0 | |
| BstACI | GR!CGYC | 7 | 122; 175; 258; 444; 3880; 4582; 4661 |
| BstAFI | C!TTAAG | 1 | 2762 |
| BstAPI | GCANNNN!NTGC | 3 | 3447; 3519; 4981 |
| BstAUI | T!GTACA | 1 | 733 |
| BstBI | TT!CGAA | 1 | 4562 |
| Bst2BI | C!ACGAG | 2 | 4598; 5625 |
| Bst2BI | C!TCGTG | 1 | 4472 |
| BstBAI | YAC!GTR | 5 | 340; 1661; 2447; 2996; 4184 |
| Bst4CI | ACN!GT | 17 | 76; 198; 269; 543; 581; 1307; 1388; 2093; 2174; 2971; 4260; 4376; 4484; 4807; 5298; 5768; 5839 |
| BstC8I | GCN!NGC | 48 | 86; 279; 593; 619; 699; 909; 937; 1156; 1176; 1224; 1238; 1497; 1501; 1668; 1695; 1942; 1962; 2010; 2024; 2283; 2287; 2454; 2481; 3099; 3142; 3156; 3429; 3448; 3501; 3520; 3774; 3960; 4179; 4245; 4251; 4279; 4283; 4324; 4328; 4382; 4665; 4852; 4899; 4955; 4977; 5188; 5748; 5785 |

| Enzyme name | Sequence | Count | Cutting Position (the base to the left of the cut site) |
|-------------|-------------------|-------|---|
| BstDEI | C!TNAG | 11 | 667; 955; 982; 1290; 2076; 3360; 3662; 4543; 4992; 5115; 5524 |
| BstDSI | C!CRYGG | 10 | 360; 784; 1015; 1136; 1475; 1801; 1922; 2261; 3609; 4312 |
| BstEII | G!GTNACC | 0 | |
| BstENI | CCTNN!NNNAGG | 0 | |
| BstF5I | GGATGNN! | 5 | 1736; 3740; 4197; 4222; 4676 |
| BstF5I | !CATCC | 3 | 1444; 2230; 3566 |
| BstFNI | CG!CG | 23 | 60; 1429; 1582; 1654; 1672; 2215; 2368; 2440; 2458; 2529; 2804; 3180; 3200; 3224; 3255; 3946; 4247; 4685; 4769; 4832; 4901; 5174; 5755 |
| BstH2I | RGCGC!Y | 8 | 869; 982; 1714; 2500; 3147; 3155; 3883; 5558 |
| BstHHI | GCG!C | 42 | 674; 697; 703; 826; 854; 868; 907; 981; 1312; 1429; 1495; 1584; 1654; 1672; 1713; 2098; 2215; 2281; 2370; 2440; 2458; 2499; 3146; 3154; 3180; 3202; 3211; 3224; 3255; 3874; 3882; 3946; 3983; 4249; 4509; 4685; 4771; 5174; 5283; 5457; 5557; 5624 |
| BstKTI | GAT!C | 24 | 588; 892; 989; 1213; 1594; 1999; 2380; 2540; 3720; 3724; 3743; 4054; 4132; 4213; 4222; 4300; 4676; 4692; 5051; 5063; 5141; 5149; 5160; 5235 |
| BstMAI | GTCTCN! | 1 | 434 |
| BstMAI | !NNNNNGAGAC | 8 | 1161; 1452; 1947; 2238; 3304; 3722; 4741; 4869 |
| BstMBI | !GATC | 24 | 585; 889; 986; 1210; 1591; 1996; 2377; 2537; 3717; 3721; 3740; 4051; 4129; 4210; 4219; 4297; 4673; 4689; 5048; 5060; 5138; 5146; 5157; 5232 |
| BstMCI | CGRY!CG | 7 | 901; 997; 1301; 2087; 2527; 3789; 5464 |
| BstMWI | GCNNNNN!NNGC | 46 | 90; 212; 244; 283; 376; 400; 627; 694; 715; 837; 911; 936; 1171; 1300; 1375; 1433; 1651; 1699; 1747; 1756; 1762; 1957; 2086; 2161; 2219; 2437; 2485; 3107; 3137; 3164; 3206; 3447; 3519; 3570; 3649; 3871; 3955; 3978; 4117; 4240; 4323; 4590; 4777; 4981; 5180; 5752 |
| BstNI | CC!WGG | 16 | 90; 283; 849; 884; 919; 1269; 2055; 3416; 3471; 3488; 4267; 4846; 4949; 5639; 5652; 5773 |
| BstNSI | RCATG!Y | 6 | 1469; 2255; 3450; 3522; 4285; 5802 |
| BstOI | CC!WGG | 16 | 90; 283; 849; 884; 919; 1269; 2055; 3416; 3471; 3488; 4267; 4846; 4949; 5639; 5652; 5773 |
| BstPI | G!GTNACC | 0 | |
| BstPAI | GACNN!NNGTC | 0 | |
| BstSCI | !CCNGG | 22 | 88; 281; 847; 882; 917; 1267; 1595; 2053; 2381; 3414; 3469; 3486; 3882; 4042; 4265; 4655; 4844; 4947; 5419; 5637; 5650; 5771 |
| BstSFI | C!TRYAG | 3 | 3215; 5342; 5533 |
| BstSLI | GKGCMLC | 7 | 1156; 1699; 1942; 2485; 3826; 3919; 5488 |
| BstSNI | TAC!GTA | 1 | 340 |
| BstUI | CG!CG | 23 | 60; 1429; 1582; 1654; 1672; 2215; 2368; 2440; 2458; 2529; 2804; 3180; 3200; 3224; 3255; 3946; 4247; 4685; 4769; 4832; 4901; 5174; 5755 |
| Bst2UI | CC!WGG | 16 | 90; 283; 849; 884; 919; 1269; 2055; 3416; 3471; 3488; 4267; 4846; 4949; 5639; 5652; 5773 |
| BstV1I | GCAGCNNNNNNN! | 13 | 715; 1132; 1588; 1759; 1774; 1918; 2374; 2668; 3953; 3995; 4516; 4969; 5469 |
| BstV1I | !NNNNNNNNNNNGCTGC | 9 | 898; 1165; 1951; 3162; 3827; 4011; 4104; 5170; 5376 |
| BstV2I | GAAGACNN! | 0 | |
| BstV2I | !NNNNNNGTCTTC | 0 | |
| BstXI | CCANNNNN!NTGG | 1 | 785 |
| BstX2I | R!GATCY | 12 | 585; 889; 986; 1591; 2377; 4051; 4297; 4689; 5048; 5060; 5146; 5157 |
| BstYI | R!GATCY | 12 | 585; 889; 986; 1591; 2377; 4051; 4297; 4689; 5048; 5060; 5146; 5157 |
| BstZI | C!GGCCG | 3 | 898; 2524; 3786 |
| BstZ17I | GTA!TAC | 0 | |
| BsuI | GTATCCNNNNN! | 3 | 3309; 4099; 5600 |
| BsuI | !NNNNNGGATAC | 0 | |
| Bsu15I | AT!CGAT | 1 | 3720 |
| Bsu36I | CC!TNAGG | 2 | 3360; 4992 |
| BsuRI | GG!CC | 48 | 84; 277; 783; 900; 930; 960; 1011; 1033; 1093; 1113; 1288; 1417; 1480; 1503; 1534; 1546; 1600; 1680; 1800; 1819; 1879; 1899; 2074; 2203; 2266; 2289; 2320; 2332; 2386; 2466; 2526; 2846; 2988; 3643; 3649; 3658; 3701; 3788; 3962; 4353; 4380; 4889; 4946; 4979; 5324; 5758; 5776; 5787 |

| Enzyme name | Sequence | Count | Cutting Position (the base to the left of the cut site) |
|-------------|-----------------------------|-------|---|
| BsuTUI | AT!CGAT | 1 | 3720 |
| BtgI | C!CRYGG | 10 | 360; 784; 1015; 1136; 1475; 1801; 1922; 2261; 3609; 4312 |
| BtgZI | GCGATGNNNNNNNNNN! | 2 | 2997; 4332 |
| BtgZI | !NNNNNNNNNNNNNNCATCGC | 4 | 334; 812; 4151; 4495 |
| BthCI | GCNG!C | 54 | 688; 706; 709; 914; 917; 1033; 1123; 1126; 1181; 1381; 1534; 1579; 1582; 1750; 1762; 1765; 1819; 1909; 1912; 1967; 2167; 2320; 2365; 2368; 2526; 2529; 2659; 3178; 3200; 3214; 3652; 3791; 3843; 3854; 3944; 3949; 3986; 4027; 4114; 4117; 4120; 4356; 4452; 4493; 4507; 4621; 4960; 4975; 5186; 5392; 5395; 5460; 5603; 5758 |
| BtrI | CAC!GTC | 0 | |
| BtrI | GAC!GTG | 0 | |
| BtsI | GCAGTGNN! | 0 | |
| BtsI | !CACTGC | 1 | 2719 |
| BtsCI | GGATGNN! | 5 | 1736; 3740; 4197; 4222; 4676 |
| BtsCI | !CATCC | 3 | 1444; 2230; 3566 |
| BtuMI | TCG!CGA | 0 | |
| BveI | ACCTGCNNNN! | 4 | 1374; 2160; 4148; 4598 |
| BveI | !NNNNNNNNNGCAGGT | 3 | 740; 822; 3767 |
| Cac8I | GCN!NGC | 48 | 86; 279; 593; 619; 699; 909; 937; 1156; 1176; 1224; 1238; 1497; 1501; 1668; 1695; 1942; 1962; 2010; 2024; 2283; 2287; 2454; 2481; 3099; 3142; 3156; 3429; 3448; 3501; 3520; 3774; 3960; 4179; 4245; 4251; 4279; 4283; 4324; 4328; 4382; 4665; 4852; 4899; 4955; 4977; 5188; 5748; 5785 |
| CaiI | CAGNNN!CTG | 2 | 4981; 5389 |
| CciI | T!CATGA | 3 | 793; 3306; 5078 |
| CciNI | GC!GGCCGC | 1 | 2524 |
| CdiI | CATC!G | 18 | 352; 830; 1076; 1109; 1298; 1511; 1589; 1718; 1862; 1895; 2084; 2297; 2375; 2504; 4169; 4174; 4372; 4513 |
| CdiI | C!GATG | 2 | 2983; 4318 |
| CdpI | GCGGAGNNNNNNNNNNNNNNNNNNNN! | 1 | 5752 |
| CdpI | !NNNNNNNNNNNNNNNNNNNNCTCCGC | 3 | 486; 3541; 3583 |
| CelII | GC!TNAGC | 0 | |
| CfoI | GCG!C | 42 | 674; 697; 703; 826; 854; 868; 907; 981; 1312; 1429; 1495; 1584; 1654; 1672; 1713; 2098; 2215; 2281; 2370; 2440; 2458; 2499; 3146; 3154; 3180; 3202; 3211; 3224; 3255; 3874; 3882; 3946; 3983; 4249; 4509; 4685; 4771; 5174; 5283; 5457; 5557; 5624 |
| CfrI | Y!GGCCR | 12 | 898; 928; 1091; 1111; 1798; 1877; 1897; 2524; 3786; 3960; 4351; 4378 |
| Cfr9I | C!CCGGG | 0 | |
| Cfr10I | R!CCGGY | 10 | 765; 992; 1170; 1743; 1752; 1956; 3097; 4199; 4380; 4663 |
| Cfr13I | G!GNCC | 21 | 83; 276; 752; 1032; 1286; 1416; 1479; 1544; 1599; 1818; 2072; 2202; 2265; 2330; 2385; 2987; 4396; 4841; 4887; 4945; 4978 |
| Cfr42I | CCGC!GG | 0 | |
| ChaI | GATC! | 24 | 589; 893; 990; 1214; 1595; 2000; 2381; 2541; 3721; 3725; 3744; 4055; 4133; 4214; 4223; 4301; 4677; 4693; 5052; 5064; 5142; 5150; 5161; 5236 |
| CjeI | CCANNNNNNGTNNNNNNNNNNNNNN! | 7 | 1037; 1627; 2413; 3697; 5137; 5237; 5315 |
| CjeI | !NNNNNNNNNACNNNNNNNTGG | 7 | 64; 257; 3364; 3459; 4651; 5201; 5756 |
| CjeI | ACNNNNNNNTGGNNNNNNNNNNNN! | 7 | 98; 291; 3398; 3493; 4685; 5235; 5790 |
| CjeI | !NNNNNNNNCCANNNNNNGT | 7 | 1003; 1593; 2379; 3663; 5103; 5203; 5281 |
| CjePI | CCANNNNNNNNTCNNNNNNNNNNNN! | 2 | 5137; 5315 |
| CjePI | !NNNNNNNNGANNNNNNNTGG | 3 | 257; 4651; 5250 |
| CjePI | GANNNNNNNTGGNNNNNNNNNNNN! | 3 | 290; 4684; 5283 |
| CjePI | !NNNNNNNNCCANNNNNNNNTC | 2 | 5104; 5282 |
| Clal | AT!CGAT | 1 | 3720 |
| CpoI | CG!GWCCG | 1 | 4396 |
| CseI | GACGCNNNNN! | 3 | 526; 4590; 4669 |
| CseI | !NNNNNNNNNNNGCGTC | 3 | 3213; 5108; 5686 |
| CsiI | A!CCWGGT | 1 | 3469 |
| CspI | CG!GWCCG | 1 | 4396 |
| Csp6I | G!TAC | 14 | 218; 243; 298; 331; 382; 539; 598; 734; 952; 971; 1217; 1771; 2003; 4185 |
| Csp45I | TT!CGAA | 1 | 4562 |
| CspAI | A!CCGGT | 1 | 992 |
| CspCI | CAANNNNNGTGGNNNNNNNNNNNN! | 1 | 411 |

| Enzyme name | Sequence | Count | Cutting Position (the base to the left of the cut site) |
|-------------|------------------------------|-------|---|
| CspCI | !NNNNNNNNNNCCACNNNNNTTG | 0 | |
| CspCI | CCACNNNNNTTGNNNNNNNNNNNNN! | 0 | |
| CspCI | !NNNNNNNNNNNCAANNNNNGTGG | 1 | 376 |
| CstMI | AAGGAGNNNNNNNNNNNNNNNNNNNN! | 3 | 736; 3160; 4769 |
| CstMI | !NNNNNNNNNNNNNNNNNNCTCCTT | 0 | |
| CviAII | C!ATG | 32 | 301; 361; 608; 785; 794; 1016; 1055; 1184; 1331; 1424; 1466; 1737; 1796; 1802; 1841; 1970; 2117; 2210; 2252; 3307; 3447; 3519; 3610; 3751; 4096; 4282; 4313; 4339; 4695; 5079; 5799; 5850 |
| CviJI | RG!CY | 134 | 42; 84; 93; 277; 566; 617; 649; 706; 718; 783; 840; 900; 930; 960; 1011; 1033; 1093; 1113; 1178; 1189; 1196; 1226; 1258; 1288; 1339; 1355; 1378; 1402; 1409; 1417; 1436; 1480; 1499; 1503; 1513; 1534; 1546; 1579; 1600; 1680; 1765; 1800; 1819; 1879; 1899; 1964; 1975; 1982; 2012; 2044; 2074; 2125; 2141; 2164; 2188; 2195; 2203; 2222; 2266; 2285; 2289; 2299; 2320; 2332; 2365; 2386; 2466; 2526; 2549; 2659; 2826; 2846; 2988; 3069; 3083; 3097; 3378; 3419; 3491; 3614; 3643; 3649; 3658; 3666; 3689; 3701; 3707; 3788; 3805; 3813; 3840; 3865; 3949; 3958; 3962; 3986; 4024; 4100; 4117; 4136; 4199; 4243; 4253; 4270; 4353; 4380; 4384; 4421; 4444; 4460; 4640; 4667; 4728; 4850; 4889; 4946; 4953; 4960; 4979; 4990; 5241; 5270; 5313; 5324; 5389; 5468; 5493; 5498; 5544; 5634; 5732; 5758; 5776; 5787 |
| CviKI-1 | RG!CY | 134 | 42; 84; 93; 277; 566; 617; 649; 706; 718; 783; 840; 900; 930; 960; 1011; 1033; 1093; 1113; 1178; 1189; 1196; 1226; 1258; 1288; 1339; 1355; 1378; 1402; 1409; 1417; 1436; 1480; 1499; 1503; 1513; 1534; 1546; 1579; 1600; 1680; 1765; 1800; 1819; 1879; 1899; 1964; 1975; 1982; 2012; 2044; 2074; 2125; 2141; 2164; 2188; 2195; 2203; 2222; 2266; 2285; 2289; 2299; 2320; 2332; 2365; 2386; 2466; 2526; 2549; 2659; 2826; 2846; 2988; 3069; 3083; 3097; 3378; 3419; 3491; 3614; 3643; 3649; 3658; 3666; 3689; 3701; 3707; 3788; 3805; 3813; 3840; 3865; 3949; 3958; 3962; 3986; 4024; 4100; 4117; 4136; 4199; 4243; 4253; 4270; 4353; 4380; 4384; 4421; 4444; 4460; 4640; 4667; 4728; 4850; 4889; 4946; 4953; 4960; 4979; 4990; 5241; 5270; 5313; 5324; 5389; 5468; 5493; 5498; 5544; 5634; 5732; 5758; 5776; 5787 |
| CviQI | G!TAC | 14 | 218; 243; 298; 331; 382; 539; 598; 734; 952; 971; 1217; 1771; 2003; 4185 |
| DdeI | C!TNAG | 11 | 667; 955; 982; 1290; 2076; 3360; 3662; 4543; 4992; 5115; 5524 |
| DinI | GGC!GCC | 1 | 3881 |
| DpnI | GA!TC | 24 | 587; 891; 988; 1212; 1593; 1998; 2379; 2539; 3719; 3723; 3742; 4053; 4131; 4212; 4221; 4299; 4675; 4691; 5050; 5062; 5140; 5148; 5159; 5234 |
| DpnII | !GATC | 24 | 585; 889; 986; 1210; 1591; 1996; 2377; 2537; 3717; 3721; 3740; 4051; 4129; 4210; 4219; 4297; 4673; 4689; 5048; 5060; 5138; 5146; 5157; 5232 |
| DraI | TTT!AAA | 3 | 2582; 5024; 5043 |
| DraII | RG!GNCCY | 3 | 1286; 2072; 4978 |
| DraIII | CACNN!GTG | 8 | 941; 1160; 1610; 1694; 1946; 2396; 2480; 2996 |
| DraRI | CAAGNACNNNNNNNNNNNNNNNNNNNN! | 4 | 266; 958; 994; 5360 |
| DraRI | !NNNNNNNNNNNNNNNNNNNGTNCCTT | 0 | |
| DrdI | GACNNN!NNGTC | 3 | 2951; 3907; 5696 |
| DrdIV | TACGACNNNNNNNNNNNNNNNNNNNN! | 0 | |
| DrdIV | !NNNNNNNNNNNNNNNNNNNGTCGTA | 1 | 476 |
| DriI | GACNNN!NNGTC | 0 | |
| DseDI | GACNNN!NNGTC | 3 | 2951; 3907; 5696 |
| EaeI | Y!GGCCR | 12 | 898; 928; 1091; 1111; 1798; 1877; 1897; 2524; 3786; 3960; 4351; 4378 |
| EagI | C!GGCCG | 3 | 898; 2524; 3786 |
| Eam1104I | CTCTCN! | 0 | |
| Eam1104I | !NNNNGAAGAG | 3 | 3347; 4224; 4434 |
| Eam1105I | GACNNN!NNGTC | 0 | |
| EarI | CTCTCN! | 0 | |
| EarI | !NNNNGAAGAG | 3 | 3347; 4224; 4434 |
| EciI | GGCGANNNNNNNNNNNN! | 4 | 3380; 4409; 5596; 5742 |
| EciI | !NNNNNNNNNTCCGCC | 4 | 496; 3551; 3572; 3593 |
| Ecl136II | GAG!CTC | 0 | |
| EclXI | C!GGCCG | 3 | 898; 2524; 3786 |

| Enzyme name | Sequence | Count | Cutting Position (the base to the left of the cut site) |
|-------------|-------------------------|-------|--|
| Eco24I | GRGCY!C | 6 | 651; 1228; 2014; 3071; 4245; 4955 |
| Eco31I | GGTCTCN! | 0 | |
| Eco31I | !NNNNNGAGACC | 5 | 1161; 1452; 1947; 2238; 4869 |
| Eco32I | GAT!ATC | 0 | |
| Eco47I | G!GWCC | 3 | 752; 4396; 4841 |
| Eco47III | AGC!GCT | 2 | 867; 980 |
| Eco52I | C!GGCCG | 3 | 898; 2524; 3786 |
| Eco57I | CTGAAGNNNNNNNNNNNNNN! | 3 | 765; 4026; 4458 |
| Eco57I | !NNNNNNNNNNNNNNCTTCAG | 1 | 5256 |
| Eco72I | CAC!GTG | 2 | 1661; 2447 |
| Eco81I | CC!TNAGG | 2 | 3360; 4992 |
| Eco88I | C!YCGRG | 3 | 1005; 1281; 2067 |
| Eco91I | G!GTNACC | 0 | |
| Eco105I | TAC!GTA | 1 | 340 |
| Eco130I | C!CWWGG | 9 | 360; 778; 784; 1015; 1801; 3609; 3702; 4312; 4717 |
| Eco147I | AGG!CCT | 1 | 3701 |
| EcoHI | !CCSGG | 6 | 1595; 2381; 3882; 4042; 4655; 5419 |
| EcoICRI | GAG!CTC | 0 | |
| Eco57MI | CTGRAGNNNNNNNNNNNNNN! | 4 | 765; 4026; 4458; 4720 |
| Eco57MI | !NNNNNNNNNNNNNNCTYCAG | 3 | 866; 4663; 5256 |
| EcoNI | CCTNN!NNNAGG | 0 | |
| Eco065I | G!GTNACC | 0 | |
| Eco0109I | RG!GNCCY | 3 | 1286; 2072; 4978 |
| EcoRI | G!AATTC | 1 | 797 |
| EcoRII | !CCWGG | 16 | 88; 281; 847; 882; 917; 1267; 2053; 3414; 3469; 3486; 4265; 4844; 4947; 5637; 5650; 5771 |
| EcoRV | GAT!ATC | 0 | |
| EcoT14I | C!CWWGG | 9 | 360; 778; 784; 1015; 1801; 3609; 3702; 4312; 4717 |
| EcoT22I | ATGCA!T | 3 | 3452; 3524; 5855 |
| EcoT38I | GRGCY!C | 6 | 651; 1228; 2014; 3071; 4245; 4955 |
| Eco53kI | GAG!CTC | 0 | |
| EgeI | GGC!GCC | 1 | 3881 |
| EheI | GGC!GCC | 1 | 3881 |
| ErhI | C!CWWGG | 9 | 360; 778; 784; 1015; 1801; 3609; 3702; 4312; 4717 |
| EsaBC3I | TC!GA | 24 | 821; 871; 1007; 1076; 1298; 1316; 1553; 1589; 1862; 2084; 2102; 2339; 2375; 3030; 3721; 3994; 4150; 4174; 4210; 4372; 4563; 4608; 4863; 5701 |
| Esp3I | CGTCTCN! | 0 | |
| Esp3I | !NNNNNGAGACG | 0 | |
| FaeI | CATG! | 32 | 304; 364; 611; 788; 797; 1019; 1058; 1187; 1334; 1427; 1469; 1740; 1799; 1805; 1844; 1973; 2120; 2213; 2255; 3310; 3450; 3522; 3613; 3754; 4099; 4285; 4316; 4342; 4698; 5082; 5802; 5853 |
| FaiI | YA!TR | 69 | 39; 46; 50; 67; 138; 146; 234; 236; 291; 302; 310; 362; 555; 557; 609; 730; 786; 795; 1017; 1056; 1185; 1332; 1425; 1467; 1738; 1797; 1803; 1842; 1971; 2118; 2211; 2253; 2542; 2552; 2618; 2663; 2868; 3296; 3308; 3439; 3448; 3511; 3520; 3544; 3611; 3635; 3752; 3816; 4097; 4122; 4283; 4314; 4340; 4412; 4628; 4696; 4774; 4826; 4987; 5004; 5006; 5008; 5080; 5358; 5547; 5663; 5736; 5800; 5851 |
| FalI | AAGNNNNNCTNNNNNNNNNNNN! | 3 | 1583; 2369; 4220 |
| FalI | !NNNNNNNNAAGNNNNNCTT | 3 | 1551; 2337; 4188 |
| FaqI | GGGACNNNNNNNNNN! | 8 | 175; 326; 494; 1650; 2436; 4031; 4563; 4672 |
| FaqI | !NNNNNNNNNNNNNGTCCC | 4 | 3396; 3468; 3532; 4827 |
| FatI | !CATG | 32 | 300; 360; 607; 784; 793; 1015; 1054; 1183; 1330; 1423; 1465; 1736; 1795; 1801; 1840; 1969; 2116; 2209; 2251; 3306; 3446; 3518; 3609; 3750; 4095; 4281; 4312; 4338; 4694; 5078; 5798; 5849 |
| FauI | CCCGCNNNN! | 16 | 93; 119; 286; 641; 852; 1043; 1245; 1707; 1829; 2031; 2493; 3202; 3557; 3578; 4774; 4906 |
| FauI | !NNNNNNNGCGGG | 5 | 3133; 4003; 4540; 4678; 4825 |
| FauNDI | CA!TATG | 1 | 234 |
| FbaI | T!GATCA | 0 | |
| FblI | GT!MKAC | 0 | |
| FmuI | GGNC!C | 21 | 86; 279; 755; 1035; 1289; 1419; 1482; 1547; 1602; 1821; 2075; 2205; 2268; 2333; 2388; 2990; 4399; 4844; 4890; 4948; 4981 |

| Enzyme name | Sequence | Count | Cutting Position (the base to the left of the cut site) |
|-------------|----------------------|-------|---|
| Fnu4HI | GC!NGC | 54 | 686; 704; 707; 912; 915; 1031; 1121; 1124; 1179; 1379; 1532; 1577; 1580; 1748; 1760; 1763; 1817; 1907; 1910; 1965; 2165; 2318; 2363; 2366; 2524; 2527; 2657; 3176; 3198; 3212; 3650; 3789; 3841; 3852; 3942; 3947; 3984; 4025; 4112; 4115; 4118; 4354; 4450; 4491; 4505; 4619; 4958; 4973; 5184; 5390; 5393; 5458; 5601; 5756 |
| FokI | GGATGNNNNNNNNN! | 5 | 1743; 3747; 4204; 4229; 4683 |
| FokI | !NNNNNNNNNNNNNNCATCC | 3 | 1431; 2217; 3553 |
| FriOI | GRGCY!C | 6 | 651; 1228; 2014; 3071; 4245; 4955 |
| FseI | GGCCGG!CC | 0 | |
| FspI | TGC!GCA | 1 | 3982 |
| FspAI | RTGC!GCAY | 0 | |
| FspBI | C!TAG | 8 | 592; 2535; 2729; 3147; 3703; 4718; 5052; 5305 |
| FspEI | CCNNNNNNNNNNNN! | 220 | 56; 71; 98; 114; 128; 129; 156; 182; 220; 252; 291; 307; 333; 373; 450; 451; 482; 501; 520; 593; 614; 631; 646; 665; 720; 737; 768; 791; 857; 887; 906; 921; 944; 959; 974; 989; 1003; 1017; 1028; 1047; 1073; 1107; 1127; 1146; 1172; 1195; 1210; 1227; 1241; 1257; 1272; 1293; 1314; 1343; 1361; 1379; 1400; 1419; 1433; 1461; 1475; 1494; 1509; 1532; 1548; 1580; 1598; 1614; 1628; 1655; 1671; 1694; 1711; 1727; 1757; 1781; 1796; 1814; 1833; 1859; 1893; 1913; 1932; 1958; 1981; 1996; 2013; 2027; 2043; 2058; 2079; 2100; 2129; 2147; 2165; 2186; 2205; 2219; 2247; 2261; 2280; 2295; 2318; 2334; 2366; 2384; 2400; 2414; 2441; 2457; 2480; 2497; 2513; 2540; 2563; 2602; 2616; 2757; 2852; 2876; 2899; 2922; 2940; 2962; 2983; 3002; 3021; 3050; 3071; 3085; 3111; 3199; 3225; 3274; 3315; 3333; 3372; 3388; 3426; 3483; 3498; 3555; 3575; 3589; 3606; 3620; 3657; 3672; 3715; 3798; 3865; 3896; 3916; 3931; 3976; 3990; 4056; 4070; 4089; 4105; 4146; 4166; 4213; 4263; 4279; 4299; 4324; 4344; 4367; 4394; 4412; 4438; 4478; 4504; 4528; 4584; 4598; 4626; 4669; 4690; 4725; 4769; 4857; 4881; 4903; 4923; 4939; 4960; 4974; 4993; 5077; 5097; 5125; 5140; 5174; 5216; 5243; 5258; 5303; 5327; 5341; 5363; 5389; 5409; 5433; 5459; 5507; 5526; 5545; 5571; 5606; 5651; 5681; 5695; 5746; 5760; 5785; 5801; 5822; 5851 |
| FspEI | !NNNNNNNNNNNNNNNGG | 162 | 8; 35; 59; 144; 166; 197; 252; 295; 347; 375; 400; 435; 463; 509; 529; 552; 580; 630; 654; 696; 723; 751; 771; 817; 869; 904; 933; 969; 993; 1011; 1063; 1095; 1123; 1156; 1175; 1204; 1234; 1254; 1309; 1341; 1384; 1422; 1462; 1485; 1513; 1558; 1582; 1619; 1659; 1702; 1723; 1744; 1770; 1788; 1849; 1881; 1909; 1942; 1961; 1990; 2020; 2040; 2095; 2127; 2170; 2208; 2248; 2271; 2299; 2344; 2368; 2405; 2445; 2488; 2508; 2551; 2651; 2720; 2750; 2828; 2877; 2899; 2927; 2963; 3008; 3037; 3073; 3092; 3120; 3140; 3203; 3226; 3334; 3366; 3384; 3413; 3456; 3485; 3596; 3625; 3668; 3689; 3717; 3750; 3770; 3795; 3822; 3847; 3869; 3897; 3923; 3944; 3995; 4016; 4034; 4082; 4118; 4174; 4199; 4223; 4252; 4275; 4299; 4325; 4347; 4366; 4391; 4431; 4467; 4532; 4617; 4641; 4670; 4704; 4725; 4745; 4790; 4817; 4836; 4869; 4921; 4952; 4979; 5031; 5129; 5200; 5245; 5306; 5371; 5405; 5431; 5449; 5485; 5555; 5578; 5600; 5624; 5657; 5705; 5740; 5758; 5815 |
| Fsp4HI | GC!NGC | 54 | 686; 704; 707; 912; 915; 1031; 1121; 1124; 1179; 1379; 1532; 1577; 1580; 1748; 1760; 1763; 1817; 1907; 1910; 1965; 2165; 2318; 2363; 2366; 2524; 2527; 2657; 3176; 3198; 3212; 3650; 3789; 3841; 3852; 3942; 3947; 3984; 4025; 4112; 4115; 4118; 4354; 4450; 4491; 4505; 4619; 4958; 4973; 5184; 5390; 5393; 5458; 5601; 5756 |
| GdiII | C!GGCCR | 5 | 898; 1091; 1877; 2524; 3786 |
| GdiII | Y!GGCCG | 7 | 898; 1111; 1897; 2524; 3786; 4351; 4378 |
| GlaI | GC!GC | 42 | 673; 696; 702; 825; 853; 867; 906; 980; 1311; 1428; 1494; 1583; 1653; 1671; 1712; 2097; 2214; 2280; 2369; 2439; 2457; 2498; 3145; 3153; 3179; 3201; 3210; 3223; 3254; 3873; 3881; 3945; 3982; 4248; 4508; 4684; 4770; 5173; 5282; 5456; 5556; 5623 |
| GluI | GC!NGC | 54 | 686; 704; 707; 912; 915; 1031; 1121; 1124; 1179; 1379; 1532; 1577; 1580; 1748; 1760; 1763; 1817; 1907; 1910; 1965; 2165; 2318; 2363; 2366; 2524; 2527; 2657; 3176; 3198; 3212; 3650; 3789; 3841; 3852; 3942; 3947; 3984; 4025; 4112; 4115; 4118; 4354; 4450; 4491; 4505; 4619; 4958; 4973; 5184; 5390; 5393; 5458; 5601; 5756 |
| GsaI | CCCAG!C | 3 | 3427; 3499; 5498 |

| Enzyme name | Sequence | Count | Cutting Position (the base to the left of the cut site) |
|-------------|--------------------------|-------|---|
| GsaI | GCTGG!G | 1 | 4388 |
| GsuI | CTGGAGNNNNNNNNNNNNNNNN! | 1 | 4720 |
| GsuI | !NNNNNNNNNNNNNNNCTCCAG | 2 | 866; 4663 |
| HaeI | WGG!CCW | 14 | 783; 930; 960; 1011; 1503; 1680; 1800; 2289; 2466; 3701; 3962; 5324; 5776; 5787 |
| HaeII | RGCGC!Y | 8 | 869; 982; 1714; 2500; 3147; 3155; 3883; 5558 |
| HaeIII | GG!CC | 48 | 84; 277; 783; 900; 930; 960; 1011; 1033; 1093; 1113; 1288; 1417; 1480; 1503; 1534; 1546; 1600; 1680; 1800; 1819; 1879; 1899; 2074; 2203; 2266; 2289; 2320; 2332; 2386; 2466; 2526; 2846; 2988; 3643; 3649; 3658; 3701; 3788; 3962; 4353; 4380; 4889; 4946; 4979; 5324; 5758; 5776; 5787 |
| HaeIV | GAYNNNNNRTCNNNNNNNNNNNN! | 2 | 2555; 4076 |
| HaeIV | !NNNNNNNNNGAYNNNNNRTC | 2 | 2521; 4042 |
| HaeIV | GAYNNNNNRTCNNNNNNNNNNNN! | 2 | 2554; 4075 |
| HaeIV | !NNNNNNNNNGAYNNNNNRTC | 2 | 2523; 4044 |
| HapII | C!CGG | 25 | 766; 993; 1171; 1597; 1744; 1753; 1768; 1957; 2383; 3098; 3785; 3862; 3884; 3912; 4043; 4133; 4200; 4381; 4656; 4664; 4756; 5230; 5420; 5446; 5593 |
| HgaI | GACGCNNNNN! | 3 | 526; 4590; 4669 |
| HgaI | !NNNNNNNNNNNGCGTC | 3 | 3213; 5108; 5686 |
| HhaI | GCG!C | 42 | 674; 697; 703; 826; 854; 868; 907; 981; 1312; 1429; 1495; 1584; 1654; 1672; 1713; 2098; 2215; 2281; 2370; 2440; 2458; 2499; 3146; 3154; 3180; 3202; 3211; 3224; 3255; 3874; 3882; 3946; 3983; 4249; 4509; 4685; 4771; 5174; 5283; 5457; 5557; 5624 |
| HinI | GR!CGYC | 7 | 122; 175; 258; 444; 3880; 4582; 4661 |
| Hin1II | CATG! | 32 | 304; 364; 611; 788; 797; 1019; 1058; 1187; 1334; 1427; 1469; 1740; 1799; 1805; 1844; 1973; 2120; 2213; 2255; 3310; 3450; 3522; 3613; 3754; 4099; 4285; 4316; 4342; 4698; 5082; 5802; 5853 |
| Hin4I | GAYNNNNNVTCNNNNNNNNNNNN! | 2 | 2554; 4075 |
| Hin4I | !NNNNNNNNNGABNNNNNRTC | 3 | 2522; 4043; 4073 |
| Hin4I | GABNNNNNRTCNNNNNNNNNNNN! | 3 | 2554; 4075; 4105 |
| Hin4I | !NNNNNNNNNGAYNNNNNVTC | 2 | 2522; 4043 |
| Hin6I | G!CGC | 42 | 672; 695; 701; 824; 852; 866; 905; 979; 1310; 1427; 1493; 1582; 1652; 1670; 1711; 2096; 2213; 2279; 2368; 2438; 2456; 2497; 3144; 3152; 3178; 3200; 3209; 3222; 3253; 3872; 3880; 3944; 3981; 4247; 4507; 4683; 4769; 5172; 5281; 5455; 5555; 5622 |
| HinP1I | G!CGC | 42 | 672; 695; 701; 824; 852; 866; 905; 979; 1310; 1427; 1493; 1582; 1652; 1670; 1711; 2096; 2213; 2279; 2368; 2438; 2456; 2497; 3144; 3152; 3178; 3200; 3209; 3222; 3253; 3872; 3880; 3944; 3981; 4247; 4507; 4683; 4769; 5172; 5281; 5455; 5555; 5622 |
| HincII | GTY!RAC | 1 | 2643 |
| HindII | GTY!RAC | 1 | 2643 |
| HindIII | A!AGCTT | 0 | |
| HinfI | G!ANTC | 12 | 410; 2531; 2923; 2945; 3355; 4365; 4499; 4551; 4609; 4646; 5428; 5824 |
| HpaI | GTT!AAC | 1 | 2643 |
| HpaII | C!CGG | 25 | 766; 993; 1171; 1597; 1744; 1753; 1768; 1957; 2383; 3098; 3785; 3862; 3884; 3912; 4043; 4133; 4200; 4381; 4656; 4664; 4756; 5230; 5420; 5446; 5593 |
| HphI | GGTGANNNNNNNN! | 9 | 376; 674; 846; 1097; 1385; 1883; 2171; 4951; 5067 |
| HphI | !NNNNNNNTCACC | 14 | 869; 956; 1094; 1376; 1508; 1613; 1697; 1880; 2162; 2294; 2399; 2483; 2997; 4058 |
| Hpy8I | GTN!NAC | 22 | 201; 539; 577; 734; 755; 809; 973; 1088; 1102; 1154; 1391; 1442; 1874; 1888; 1940; 2177; 2228; 2643; 2927; 2944; 2999; 5486 |
| Hpy99I | CGWCG! | 23 | 1080; 1119; 1251; 1326; 1401; 1416; 1530; 1728; 1866; 1905; 2037; 2112; 2187; 2202; 2316; 2514; 3970; 3998; 4292; 4307; 4584; 4969; 5702 |
| Hpy166II | GTN!NAC | 22 | 201; 539; 577; 734; 755; 809; 973; 1088; 1102; 1154; 1391; 1442; 1874; 1888; 1940; 2177; 2228; 2643; 2927; 2944; 2999; 5486 |
| Hpy188I | TCN!GA | 16 | 585; 745; 947; 1025; 1784; 1811; 3054; 3663; 3847; 4191; 4544; 4645; 5124; 5258; 5611; 5689 |

| Enzyme name | Sequence | Count | Cutting Position (the base to the left of the cut site) |
|-------------|--------------------|-------|--|
| Hpy188III | TC!NNGA | 30 | 794; 893; 1046; 1316; 1589; 1610; 1832; 2102; 2375; 2396; 2535; 3307; 3359; 3672; 3725; 3898; 4214; 4223; 4306; 4362; 4406; 4496; 4529; 4598; 5079; 5153; 5236; 5334; 5432; 5566 |
| HpyAV | CCTTCNNNNNN! | 11 | 1070; 1238; 1514; 1577; 1856; 2024; 2300; 2363; 4525; 4632; 5311 |
| HpyAV | !NNNNNGAAGG | 8 | 650; 3113; 4008; 4737; 4753; 4936; 5253; 5563 |
| HpyCH4III | ACN!GT | 17 | 76; 198; 269; 543; 581; 1307; 1388; 2093; 2174; 2971; 4260; 4376; 4484; 4807; 5298; 5768; 5839 |
| HpyCH4IV | A!CGT | 18 | 122; 134; 175; 258; 339; 444; 1150; 1660; 1936; 2446; 2940; 2952; 2995; 3105; 3996; 4183; 4964; 5097 |
| HpyCH4V | TG!CA | 18 | 1154; 1940; 2629; 2656; 2724; 3441; 3450; 3513; 3522; 3637; 3713; 3772; 3931; 4106; 4120; 5190; 5486; 5853 |
| HpyF3I | C!TNAG | 11 | 667; 955; 982; 1290; 2076; 3360; 3662; 4543; 4992; 5115; 5524 |
| HpyF10VI | GCNNNNN!NNGC | 46 | 90; 212; 244; 283; 376; 400; 627; 694; 715; 837; 911; 936; 1171; 1300; 1375; 1433; 1651; 1699; 1747; 1756; 1762; 1957; 2086; 2161; 2219; 2437; 2485; 3107; 3137; 3164; 3206; 3447; 3519; 3570; 3649; 3871; 3955; 3978; 4117; 4240; 4323; 4590; 4777; 4981; 5180; 5752 |
| Hsp92I | GR!CGYC | 7 | 122; 175; 258; 444; 3880; 4582; 4661 |
| Hsp92II | CATG! | 32 | 304; 364; 611; 788; 797; 1019; 1058; 1187; 1334; 1427; 1469; 1740; 1799; 1805; 1844; 1973; 2120; 2213; 2255; 3310; 3450; 3522; 3613; 3754; 4099; 4285; 4316; 4342; 4698; 5082; 5802; 5853 |
| HspAI | G!CGC | 42 | 672; 695; 701; 824; 852; 866; 905; 979; 1310; 1427; 1493; 1582; 1652; 1670; 1711; 2096; 2213; 2279; 2368; 2438; 2456; 2497; 3144; 3152; 3178; 3200; 3209; 3222; 3253; 3872; 3880; 3944; 3981; 4247; 4507; 4683; 4769; 5172; 5281; 5455; 5555; 5622 |
| KasI | G!GCGCC | 1 | 3879 |
| KfII | GG!GWCCC | 0 | |
| KpnI | GGTAC!C | 2 | 601; 1774 |
| Kpn2I | T!CCGGA | 0 | |
| KspI | CCGC!GG | 0 | |
| Ksp22I | T!GATCA | 0 | |
| KspAI | GTT!AAC | 1 | 2643 |
| Kzo9I | !GATC | 24 | 585; 889; 986; 1210; 1591; 1996; 2377; 2537; 3717; 3721; 3740; 4051; 4129; 4210; 4219; 4297; 4673; 4689; 5048; 5060; 5138; 5146; 5157; 5232 |
| LguI | GCTTTCN! | 0 | |
| LguI | !NNNNGAAGAGC | 2 | 4224; 4434 |
| LpnI | RG!GCGY | 8 | 867; 980; 1712; 2498; 3145; 3153; 3881; 5556 |
| LpnPI | CCDGNNNNNNNNNN! | 89 | 102; 295; 625; 772; 861; 896; 921; 989; 1006; 1053; 1107; 1184; 1221; 1281; 1302; 1349; 1379; 1419; 1446; 1461; 1509; 1548; 1610; 1655; 1680; 1721; 1757; 1781; 1839; 1893; 1970; 2007; 2067; 2088; 2135; 2165; 2205; 2232; 2247; 2295; 2334; 2396; 2441; 2466; 2507; 2617; 2922; 3111; 3334; 3372; 3388; 3428; 3483; 3500; 3600; 3685; 3798; 3875; 3897; 3920; 4056; 4070; 4089; 4146; 4213; 4263; 4279; 4336; 4394; 4603; 4669; 4693; 4769; 4858; 4961; 4994; 5225; 5243; 5389; 5409; 5433; 5459; 5508; 5606; 5651; 5681; 5760; 5785; 5822 |
| LpnPI | !NNNNNNNNNNNNNCHGG | 65 | 75; 268; 552; 735; 817; 869; 904; 978; 1156; 1175; 1254; 1341; 1422; 1485; 1582; 1729; 1753; 1942; 1961; 2040; 2127; 2208; 2271; 2368; 2963; 3083; 3140; 3203; 3401; 3413; 3473; 3485; 3717; 3762; 3805; 3847; 3869; 3897; 3944; 4006; 4028; 4118; 4185; 4208; 4252; 4347; 4366; 4391; 4540; 4641; 4684; 4741; 4831; 4934; 4961; 4979; 5215; 5252; 5405; 5431; 5571; 5589; 5624; 5705; 5758 |
| Lsp1109I | GCAGCNNNNNNNN! | 13 | 715; 1132; 1588; 1759; 1774; 1918; 2374; 2668; 3953; 3995; 4516; 4969; 5469 |
| Lsp1109I | !NNNNNNNNNNNGCTGC | 9 | 898; 1165; 1951; 3162; 3827; 4011; 4104; 5170; 5376 |
| LweI | GCATCNNNNN! | 16 | 799; 835; 1261; 1303; 1390; 1711; 2047; 2089; 2176; 2497; 2696; 3459; 3531; 4179; 4243; 4518 |
| LweI | !NNNNNNNNNGATGC | 5 | 357; 3838; 4093; 4309; 5701 |
| MabI | A!CCWGGT | 1 | 3469 |
| MaeI | C!TAG | 8 | 592; 2535; 2729; 3147; 3703; 4718; 5052; 5305 |
| MaeII | A!CGT | 18 | 122; 134; 175; 258; 339; 444; 1150; 1660; 1936; 2446; 2940; 2952; 2995; 3105; 3996; 4183; 4964; 5097 |
| MaeIII | !GTNAC | 15 | 61; 148; 497; 662; 1610; 2396; 2668; 3169; 3181; 4000; 4306; 4996; 5262; 5378; 5441 |

| Enzyme name | Sequence | Count | Cutting Position (the base to the left of the cut site) |
|-------------|------------------------------|-------|---|
| MaiI | GA!TC | 24 | 587; 891; 988; 1212; 1593; 1998; 2379; 2539; 3719; 3723; 3742; 4053; 4131; 4212; 4221; 4299; 4675; 4691; 5050; 5062; 5140; 5148; 5159; 5234 |
| MaqI | CRTTGACNNNNNNNNNNNNNNNNNNNN! | 4 | 144; 197; 466; 540 |
| MaqI | !NNNNNNNNNNNNNNNNNNNGTCAAYG | 3 | 157; 240; 426 |
| MauBI | CG!CGCGCG | 0 | |
| MbiI | CCG!CTC | 2 | 3304; 4493 |
| MbiI | GAG!CGG | 2 | 3140; 4547 |
| MboI | !GATC | 24 | 585; 889; 986; 1210; 1591; 1996; 2377; 2537; 3717; 3721; 3740; 4051; 4129; 4210; 4219; 4297; 4673; 4689; 5048; 5060; 5138; 5146; 5157; 5232 |
| MboII | GAAGANNNNNNNNN! | 6 | 689; 3136; 3364; 4241; 4451; 5070 |
| MboII | !NNNNNNNTCTTC | 8 | 1061; 1223; 1847; 2009; 4531; 4698; 4898; 5141 |
| McaTI | GCGC!GC | 0 | |
| MfeI | C!AATTG | 1 | 2630 |
| MflI | R!GATCY | 12 | 585; 889; 986; 1591; 2377; 4051; 4297; 4689; 5048; 5060; 5146; 5157 |
| MhlI | GDGCH!C | 15 | 651; 1156; 1228; 1699; 1942; 2014; 2485; 3071; 3826; 3919; 3993; 4183; 4245; 4955; 5488 |
| MisI | TGG!CCA | 3 | 930; 1800; 3962 |
| MluI | A!CGCGT | 0 | |
| MluNI | TGG!CCA | 3 | 930; 1800; 3962 |
| MlyI | GAGTCNNNNN! | 2 | 2932; 3364 |
| MlyI | !NNNNNGACTC | 5 | 404; 2525; 2939; 4545; 5422 |
| Mly113I | GG!CGCC | 1 | 3880 |
| MmeI | TCCRACNNNNNNNNNNNNNNNNNNNN! | 1 | 2973 |
| MmeI | !NNNNNNNNNNNNNNNNNNNGTYGGA | 2 | 5405; 5589 |
| MnII | CCTCNNNNNNN! | 10 | 890; 1014; 1787; 2599; 3663; 4481; 4687; 5001; 5371; 5695 |
| MnII | !NNNNNGAGG | 29 | 541; 830; 941; 1001; 1019; 1076; 1277; 1627; 1667; 1721; 1778; 1805; 1862; 2063; 2413; 2453; 2507; 2559; 3024; 3355; 3633; 3676; 3691; 3731; 3795; 3931; 4288; 4718; 5621 |
| Mph1103I | ATGCA!T | 3 | 3452; 3524; 5855 |
| MreI | CG!CCGGCG | 0 | |
| MroI | T!CCGGA | 0 | |
| MroNI | G!CCGGC | 3 | 3097; 4380; 4663 |
| MroXI | GAANN!NNTTC | 0 | |
| MscI | TGG!CCA | 3 | 930; 1800; 3962 |
| MseI | T!TAA | 16 | 7; 2519; 2581; 2642; 2763; 2784; 2795; 2807; 2818; 2835; 2933; 3204; 5023; 5037; 5042; 5094 |
| MslI | CAYNN!NNRTG | 10 | 365; 729; 1107; 1368; 1386; 1800; 1893; 2154; 2172; 4317 |
| MspI | C!CGG | 25 | 766; 993; 1171; 1597; 1744; 1753; 1768; 1957; 2383; 3098; 3785; 3862; 3884; 3912; 4043; 4133; 4200; 4381; 4656; 4664; 4756; 5230; 5420; 5446; 5593 |
| Msp20I | TGG!CCA | 3 | 930; 1800; 3962 |
| MspA1I | CMG!CKG | 9 | 1436; 1499; 1759; 2222; 2285; 3378; 3986; 5215; 5460 |
| MspCI | C!TTAAG | 1 | 2762 |

| Enzyme name | Sequence | Count | Cutting Position (the base to the left of the cut site) |
|-------------|------------------|-------|--|
| MspJI | CNNRNNNNNNNNNN! | 303 | 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; 620; 634; 650; 664; 679; 701; 714; 749; 762; 778; 791; 806; 833; 856; 875; 895; 914; 930; 943; 958; 979; 994; 1017; 1036; 1052; 1067; 1094; 1107; 1121; 1139; 1163; 1178; 1194; 1209; 1226; 1249; 1279; 1293; 1314; 1328; 1343; 1356; 1378; 1392; 1418; 1431; 1445; 1460; 1474; 1488; 1502; 1537; 1571; 1593; 1608; 1622; 1636; 1654; 1671; 1685; 1699; 1713; 1739; 1756; 1780; 1795; 1808; 1822; 1838; 1853; 1880; 1893; 1907; 1925; 1949; 1964; 1980; 1995; 2012; 2035; 2065; 2079; 2100; 2114; 2129; 2142; 2164; 2178; 2204; 2217; 2231; 2246; 2260; 2274; 2288; 2323; 2357; 2379; 2394; 2408; 2422; 2440; 2457; 2471; 2485; 2499; 2525; 2540; 2553; 2568; 2587; 2604; 2617; 2658; 2672; 2685; 2703; 2741; 2756; 2774; 2815; 2839; 2859; 2877; 2898; 2921; 2953; 2968; 2990; 3008; 3021; 3042; 3059; 3072; 3085; 3101; 3114; 3144; 3159; 3184; 3202; 3215; 3230; 3254; 3268; 3292; 3317; 3333; 3371; 3387; 3426; 3440; 3454; 3482; 3498; 3512; 3526; 3555; 3568; 3589; 3598; 3620; 3650; 3666; 3684; 3714; 3737; 3761; 3785; 3804; 3832; 3858; 3874; 3887; 3910; 3924; 3944; 3957; 3971; 3990; 4004; 4017; 4033; 4048; 4061; 4077; 4092; 4108; 4133; 4152; 4168; 4181; 4194; 4212; 4226; 4240; 4256; 4278; 4294; 4313; 4335; 4351; 4374; 4393; 4407; 4423; 4437; 4457; 4473; 4486; 4508; 4541; 4555; 4575; 4588; 4602; 4656; 4669; 4692; 4705; 4724; 4741; 4768; 4804; 4837; 4856; 4881; 4902; 4929; 4942; 4959; 4973; 4988; 5004; 5064; 5089; 5105; 5127; 5140; 5154; 5185; 5199; 5224; 5242; 5257; 5270; 5289; 5302; 5317; 5346; 5365; 5383; 5408; 5423; 5442; 5458; 5477; 5495; 5511; 5525; 5544; 5571; 5594; 5616; 5635; 5650; 5663; 5680; 5700; 5727; 5740; 5759; 5784; 5807; 5821; 5834; 5851 |
| MspJI | !NNNNNNNNNNNNYNG | 254 | 8; 35; 59; 76; 97; 123; 145; 168; 197; 221; 269; 281; 310; 330; 347; 377; 400; 437; 465; 492; 511; 531; 553; 574; 594; 613; 639; 675; 696; 715; 736; 759; 780; 805; 822; 849; 869; 888; 905; 922; 942; 962; 979; 1002; 1021; 1041; 1068; 1095; 1113; 1137; 1157; 1176; 1194; 1219; 1241; 1267; 1293; 1317; 1336; 1354; 1374; 1392; 1410; 1434; 1452; 1476; 1496; 1521; 1545; 1567; 1594; 1611; 1628; 1645; 1669; 1694; 1713; 1730; 1753; 1770; 1788; 1807; 1827; 1854; 1881; 1899; 1923; 1943; 1962; 1980; 2005; 2027; 2053; 2079; 2103; 2122; 2140; 2160; 2178; 2196; 2220; 2238; 2262; 2282; 2307; 2331; 2353; 2380; 2397; 2414; 2431; 2455; 2480; 2499; 2521; 2546; 2590; 2632; 2715; 2750; 2777; 2800; 2829; 2873; 2895; 2927; 2963; 2980; 3001; 3038; 3058; 3075; 3092; 3127; 3145; 3163; 3180; 3204; 3226; 3253; 3281; 3307; 3345; 3366; 3383; 3401; 3424; 3445; 3473; 3496; 3517; 3535; 3556; 3573; 3596; 3620; 3640; 3658; 3680; 3711; 3733; 3759; 3778; 3795; 3823; 3842; 3861; 3879; 3897; 3918; 3940; 3964; 3997; 4017; 4035; 4056; 4082; 4109; 4126; 4143; 4160; 4186; 4208; 4230; 4248; 4268; 4287; 4309; 4347; 4367; 4391; 4411; 4431; 4458; 4482; 4515; 4534; 4562; 4584; 4613; 4641; 4666; 4685; 4704; 4725; 4742; 4759; 4790; 4817; 4837; 4860; 4880; 4917; 4934; 4953; 4979; 4999; 5038; 5065; 5084; 5102; 5139; 5157; 5198; 5216; 5242; 5259; 5291; 5320; 5348; 5369; 5392; 5411; 5432; 5450; 5467; 5485; 5511; 5532; 5552; 5572; 5590; 5611; 5637; 5654; 5673; 5692; 5721; 5740; 5758; 5777; 5795; 5813; 5836 |
| MspR9I | CC!NGG | 22 | 90; 283; 849; 884; 919; 1269; 1597; 2055; 2383; 3416; 3471; 3488; 3884; 4044; 4267; 4657; 4846; 4949; 5421; 5639; 5652; 5773 |
| MssI | GTTT!AAAC | 0 | |
| MunI | C!AATTG | 1 | 2630 |
| MvaI | CC!WGG | 16 | 90; 283; 849; 884; 919; 1269; 2055; 3416; 3471; 3488; 4267; 4846; 4949; 5639; 5652; 5773 |
| Mva1269I | GAATGCN! | 1 | 2631 |
| Mva1269I | G!CATTC | 1 | 2724 |
| MvnI | CG!CG | 23 | 60; 1429; 1582; 1654; 1672; 2215; 2368; 2440; 2458; 2529; 2804; 3180; 3200; 3224; 3255; 3946; 4247; 4685; 4769; 4832; 4901; 5174; 5755 |
| MvrI | CGAT!CG | 0 | |

| Enzyme name | Sequence | Count | Cutting Position (the base to the left of the cut site) |
|-------------|---------------------------|-------|---|
| MwoI | GCNNNNN!NNGC | 46 | 90; 212; 244; 283; 376; 400; 627; 694; 715; 837; 911; 936; 1171; 1300; 1375; 1433; 1651; 1699; 1747; 1756; 1762; 1957; 2086; 2161; 2219; 2437; 2485; 3107; 3137; 3164; 3206; 3447; 3519; 3570; 3649; 3871; 3955; 3978; 4117; 4240; 4323; 4590; 4777; 4981; 5180; 5752 |
| NaeI | GCC!GGC | 3 | 3099; 4382; 4665 |
| NarI | GG!CGCC | 1 | 3880 |
| NciI | CC!SGG | 6 | 1597; 2383; 3884; 4044; 4657; 5421 |
| NcoI | C!CATGG | 6 | 360; 784; 1015; 1801; 3609; 4312 |
| NdeI | CA!TATG | 1 | 234 |
| NdeII | !GATC | 24 | 585; 889; 986; 1210; 1591; 1996; 2377; 2537; 3717; 3721; 3740; 4051; 4129; 4210; 4219; 4297; 4673; 4689; 5048; 5060; 5138; 5146; 5157; 5232 |
| NgoAVIII | GACNNNNNTGANNNNNNNNNNNN! | 1 | 280 |
| NgoAVIII | !NNNNNNNNNNNTCANNNNNGTC | 0 | |
| NgoAVIII | TCANNNNNGTCNNNNNNNNNNNN! | 0 | |
| NgoAVIII | !NNNNNNNNNNNGACNNNNNTGA | 1 | 244 |
| NgoMIV | G!CCGGC | 3 | 3097; 4380; 4663 |
| NheI | G!CTAGC | 1 | 591 |
| NlaIII | CATG! | 32 | 304; 364; 611; 788; 797; 1019; 1058; 1187; 1334; 1427; 1469; 1740; 1799; 1805; 1844; 1973; 2120; 2213; 2255; 3310; 3450; 3522; 3613; 3754; 4099; 4285; 4316; 4342; 4698; 5082; 5802; 5853 |
| NlaIV | GGN!NCC | 27 | 467; 599; 650; 988; 1034; 1328; 1418; 1481; 1742; 1772; 1820; 2114; 2204; 2267; 3035; 3056; 3068; 3259; 3420; 3492; 3881; 3916; 4764; 4843; 4888; 5731; 5770 |
| NlaCI | CATCACNNNNNNNNNNNNNNNNNN! | 11 | 899; 986; 1406; 1643; 1727; 2192; 2429; 2513; 2712; 3027; 4619 |
| NlaCI | !NNNNNNNNNNNNNNNNNGTGATG | 2 | 347; 5691 |
| Nli3877I | CYCGR!G | 3 | 1009; 1285; 2071 |
| NmeAIII | GCCGAGNNNNNNNNNNNNNNNNNN! | 2 | 3669; 4105 |
| NmeAIII | !NNNNNNNNNNNNNNNNNNCTCGGC | 1 | 3634 |
| NmeDI | RCCGGYNNNNNN! | 9 | 777; 1004; 1182; 1755; 1968; 3109; 4211; 4392; 4675 |
| NmeDI | !NNNNNNNNNNNNRCCGGY | 9 | 752; 979; 1157; 1730; 1943; 3084; 4186; 4367; 4650 |
| NmuCI | !GTSAC | 6 | 662; 1610; 2396; 3169; 4000; 4306 |
| NotI | GC!GGCCGC | 1 | 2524 |
| NruI | TCG!CGA | 0 | |
| Nsbl | TGC!GCA | 1 | 3982 |
| NsiI | ATGCA!T | 3 | 3452; 3524; 5855 |
| NspI | RCATG!Y | 6 | 1469; 2255; 3450; 3522; 4285; 5802 |
| NspV | TT!CGAA | 1 | 4562 |
| OliI | CACNN!NNGTG | 4 | 1107; 1368; 1893; 2154 |
| PabI | GTA!C | 14 | 220; 245; 300; 333; 384; 541; 600; 736; 954; 973; 1219; 1773; 2005; 4187 |
| PacI | TTAAT!TAA | 0 | |
| PaeI | GCATG!C | 3 | 3450; 3522; 4285 |
| PaeR7I | C!TCGAG | 1 | 1005 |
| PagI | T!CATGA | 3 | 793; 3306; 5078 |
| PalAI | GG!CGCGCC | 0 | |
| PasI | CC!CWGGG | 2 | 4845; 4948 |
| PauI | G!CGCGC | 0 | |
| PceI | AGG!CCT | 1 | 3701 |
| PciI | A!CATGT | 3 | 1465; 2251; 5798 |
| PciSI | GCTCTTCN! | 0 | |
| PciSI | !NNNNGAAGAGC | 2 | 4224; 4434 |
| PcsI | WCGNNNN!NNNCGW | 19 | 817; 943; 1003; 1156; 1303; 1357; 1690; 1723; 1942; 2089; 2143; 2476; 2509; 4174; 4251; 4494; 4568; 4961; 5479 |
| PctI | GAATGCN! | 1 | 2631 |
| PctI | G!CATTC | 1 | 2724 |
| PdiI | GCC!GGC | 3 | 3099; 4382; 4665 |
| PdmI | GAANN!NNTTC | 0 | |
| PfeI | G!AWTC | 5 | 4365; 4499; 4609; 4646; 5824 |
| Pfl23II | C!GTACG | 0 | |
| Pfifi | GACN!NNGTC | 1 | 3998 |
| PfIMI | CCANNNN!NTGG | 4 | 1189; 1439; 1975; 2225 |
| PfoI | T!CCNGGA | 1 | 4655 |

| Enzyme name | Sequence | Count | Cutting Position (the base to the left of the cut site) |
|-------------|-------------------------------|-------|---|
| PhoI | GG!CC | 48 | 84; 277; 783; 900; 930; 960; 1011; 1033; 1093; 1113; 1288; 1417; 1480; 1503; 1534; 1546; 1600; 1680; 1800; 1819; 1879; 1899; 2074; 2203; 2266; 2289; 2320; 2332; 2386; 2466; 2526; 2846; 2988; 3643; 3649; 3658; 3701; 3788; 3962; 4353; 4380; 4889; 4946; 4979; 5324; 5758; 5776; 5787 |
| PinAI | A!CCGGT | 1 | 992 |
| PlaDI | CATCAGNNNNNNNNNNNNNNNNNNNNNN! | 3 | 1279; 2065; 4261 |
| PlaDI | !NNNNNNNNNNNNNNNNNNNNCTGATG | 4 | 1516; 2302; 3826; 4081 |
| PleI | GAGTCNNNN! | 2 | 2931; 3363 |
| PleI | !NNNNNGACTC | 5 | 404; 2525; 2939; 4545; 5422 |
| Ple19I | CGAT!CG | 0 | |
| PmaCI | CAC!GTG | 2 | 1661; 2447 |
| PmeI | GTTT!AAAC | 0 | |
| PmlI | CAC!GTG | 2 | 1661; 2447 |
| PpiI | GAACNNNNNNCTCNNNNNNNNNNNNNN! | 1 | 2962 |
| PpiI | !NNNNNNNNNGAGNNNNNNNGTTC | 1 | 5092 |
| PpiI | GAGNNNNNGTTCNNNNNNNNNNNN! | 1 | 5124 |
| PpiI | !NNNNNNNGAACNNNNNNCTC | 1 | 2930 |
| PpsI | GAGTCNNNN! | 2 | 2931; 3363 |
| PpsI | !NNNNNGACTC | 5 | 404; 2525; 2939; 4545; 5422 |
| Ppu10I | A!TGCAT | 3 | 3448; 3520; 5851 |
| Ppu21I | YAC!GTR | 5 | 340; 1661; 2447; 2996; 4184 |
| PpuMI | RG!GWCCY | 0 | |
| PscI | A!CATGT | 3 | 1465; 2251; 5798 |
| PshAI | GACNN!NNGTC | 0 | |
| PshBI | AT!TAAT | 1 | 7 |
| PsiI | TTA!TAA | 2 | 2663; 2868 |
| Psp03I | GGWC!C | 3 | 755; 4399; 4844 |
| Psp5II | RG!GWCCY | 0 | |
| Psp6I | !CCWGG | 16 | 88; 281; 847; 882; 917; 1267; 2053; 3414; 3469; 3486; 4265; 4844; 4947; 5637; 5650; 5771 |
| Psp1406I | AA!CGTT | 0 | |
| Psp124BI | GAGCT!C | 0 | |
| PspCI | CAC!GTG | 2 | 1661; 2447 |
| PspEI | G!GTNACC | 0 | |
| PspGI | !CCWGG | 16 | 88; 281; 847; 882; 917; 1267; 2053; 3414; 3469; 3486; 4265; 4844; 4947; 5637; 5650; 5771 |
| PspLI | C!GTACG | 0 | |
| PspN4I | GGN!NCC | 27 | 467; 599; 650; 988; 1034; 1328; 1418; 1481; 1742; 1772; 1820; 2114; 2204; 2267; 3035; 3056; 3068; 3259; 3420; 3492; 3881; 3916; 4764; 4843; 4888; 5731; 5770 |
| PspOMI | G!GGCCC | 0 | |
| PspOMII | CGCCARNNNNNNNNNNNNNNNNNNNN! | 5 | 125; 1291; 2077; 3610; 4609 |
| PspOMII | !NNNNNNNNNNNNNNNNNYTGGGCG | 1 | 4012 |
| PspPI | G!GNCC | 21 | 83; 276; 752; 1032; 1286; 1416; 1479; 1544; 1599; 1818; 2072; 2202; 2265; 2330; 2385; 2987; 4396; 4841; 4887; 4945; 4978 |
| PspPPI | RG!GWCCY | 0 | |
| PspPRI | CCYCAGNNNNNNNNNNNNNNNN! | 3 | 3433; 3505; 5011 |
| PspPRI | !NNNNNNNNNNNNNNNNCTGRGG | 3 | 905; 3346; 4541 |
| PspXI | VC!TCGAGB | 1 | 1005 |
| PsrI | GAACNNNNNNNTACNNNNNNNNNNNN! | 0 | |
| PsrI | !NNNNNNNGTANNNNNNNNGTTC | 0 | |
| PsrI | GTANNNNNNGTTCNNNNNNNNNNNN! | 0 | |
| PsrI | !NNNNNNNGAACNNNNNNNTAC | 0 | |
| PssI | RGGNC!CY | 3 | 1289; 2075; 4981 |
| PstI | CTGCA!G | 0 | |
| PstNI | CAGNNN!CTG | 2 | 4981; 5389 |
| PsuI | R!GATCY | 12 | 585; 889; 986; 1591; 2377; 4051; 4297; 4689; 5048; 5060; 5146; 5157 |
| PsyI | GACN!NNGTC | 1 | 3998 |
| PteI | G!CGCGC | 0 | |
| PvuI | CGAT!CG | 0 | |
| PvuII | CAG!CTG | 6 | 1436; 1499; 2222; 2285; 3378; 3986 |
| RcaI | T!CATGA | 3 | 793; 3306; 5078 |
| RceI | CATCGACNNNNNNNNNNNNNNNNNNNN! | 5 | 1099; 1321; 1885; 2107; 4395 |
| RceI | !NNNNNNNNNNNNNNNNNNNGTCGATG | 0 | |

| Enzyme name | Sequence | Count | Cutting Position (the base to the left of the cut site) |
|-------------|----------------------------|-------|--|
| RgaI | GCGAT!CGC | 0 | |
| RgiI | GGCCGG!CC | 0 | |
| RleAI | CCCACANNNNNNNNNNNN! | 7 | 1479; 1618; 1704; 2265; 2404; 2490; 2609 |
| RleAI | !NNNNNNNNNTGTGGG | 0 | |
| RpaBI | CCCGCAGNNNNNNNNNNNNNNNNNN! | 0 | |
| RpaBI | !NNNNNNNNNNNNNNNNNNCTGCGGG | 0 | |
| RpaB5I | CGRGACNNNNNNNNNNNNNNNNNN! | 1 | 1810 |
| RpaB5I | !NNNNNNNNNNNNNNNNNGTCCYCG | 0 | |
| RruI | TCG!CGA | 0 | |
| RsaI | GT!AC | 14 | 219; 244; 299; 332; 383; 540; 599; 735; 953; 972; 1218; 1772; 2004; 4186 |
| RsaNI | G!TAC | 14 | 218; 243; 298; 331; 382; 539; 598; 734; 952; 971; 1217; 1771; 2003; 4185 |
| RseI | CAYNN!NNRTG | 10 | 365; 729; 1107; 1368; 1386; 1800; 1893; 2154; 2172; 4317 |
| RsrII | CG!GWCCG | 1 | 4396 |
| Rsr2I | CG!GWCCG | 1 | 4396 |
| SacI | GAGCT!C | 0 | |
| SacII | CCGC!GG | 0 | |
| SalI | G!TCGAC | 0 | |
| SapI | GCTCTTCN! | 0 | |
| SapI | !NNNNGAAGAGC | 2 | 4224; 4434 |
| SaqAI | T!TAA | 16 | 7; 2519; 2581; 2642; 2763; 2784; 2795; 2807; 2818; 2835; 2933; 3204; 5023; 5037; 5042; 5094 |
| SatI | GC!NGC | 54 | 686; 704; 707; 912; 915; 1031; 1121; 1124; 1179; 1379; 1532; 1577; 1580; 1748; 1760; 1763; 1817; 1907; 1910; 1965; 2165; 2318; 2363; 2366; 2524; 2527; 2657; 3176; 3198; 3212; 3650; 3789; 3841; 3852; 3942; 3947; 3984; 4025; 4112; 4115; 4118; 4354; 4450; 4491; 4505; 4619; 4958; 4973; 5184; 5390; 5393; 5458; 5601; 5756 |
| Sau96I | G!GNCC | 21 | 83; 276; 752; 1032; 1286; 1416; 1479; 1544; 1599; 1818; 2072; 2202; 2265; 2330; 2385; 2987; 4396; 4841; 4887; 4945; 4978 |
| Sau3AI | !GATC | 24 | 585; 889; 986; 1210; 1591; 1996; 2377; 2537; 3717; 3721; 3740; 4051; 4129; 4210; 4219; 4297; 4673; 4689; 5048; 5060; 5138; 5146; 5157; 5232 |
| SbfI | CCTGCA!GG | 0 | |
| ScaI | AGT!ACT | 0 | |
| SchI | GAGTCNNNNN! | 2 | 2932; 3364 |
| SchI | !NNNNNGACTC | 5 | 404; 2525; 2939; 4545; 5422 |
| SciI | CTC!GAG | 1 | 1007 |
| ScrFI | CC!NGG | 22 | 90; 283; 849; 884; 919; 1269; 1597; 2055; 2383; 3416; 3471; 3488; 3884; 4044; 4267; 4657; 4846; 4949; 5421; 5639; 5652; 5773 |
| SdaI | CCTGCA!GG | 0 | |
| SdeAI | CAGRAGNNNNNNNNNNNNNNNNNN! | 9 | 701; 1121; 1295; 1907; 2081; 3458; 3530; 3699; 5641 |
| SdeAI | !NNNNNNNNNNNNNNNNNNCTYCTG | 2 | 4035; 4520 |
| SdeOSI | GACNNNNRTGANNNNNNNNNNN! | 1 | 279 |
| SdeOSI | !NNNNNNNNNNNTCAYNNNNNGTC | 0 | |
| SdeOSI | TCAYNNNNNGTCNNNNNNNNNNNN! | 0 | |
| SdeOSI | !NNNNNNNNNNNGACNNNNRTGA | 1 | 245 |
| SduI | GDGCH!C | 15 | 651; 1156; 1228; 1699; 1942; 2014; 2485; 3071; 3826; 3919; 3993; 4183; 4245; 4955; 5488 |
| SelI | !CGCG | 23 | 58; 1427; 1580; 1652; 1670; 2213; 2366; 2438; 2456; 2527; 2802; 3178; 3198; 3222; 3253; 3944; 4245; 4683; 4767; 4830; 4899; 5172; 5753 |
| SetI | ASST! | 83 | 125; 137; 178; 261; 308; 342; 447; 552; 568; 720; 742; 754; 836; 882; 1062; 1087; 1153; 1180; 1191; 1210; 1350; 1357; 1368; 1438; 1501; 1569; 1663; 1678; 1767; 1848; 1873; 1939; 1966; 1977; 1996; 2136; 2143; 2154; 2224; 2287; 2355; 2449; 2464; 2570; 2591; 2600; 2612; 2661; 2828; 2943; 2955; 2998; 3035; 3085; 3108; 3232; 3380; 3475; 3668; 3781; 3909; 3988; 3999; 4071; 4142; 4186; 4446; 4592; 4636; 4967; 4998; 5057; 5100; 5243; 5264; 5363; 5500; 5515; 5534; 5546; 5590; 5636; 5687 |
| SexAI | A!CCWGGT | 1 | 3469 |
| SfaAI | GCGAT!CGC | 0 | |
| SfaNI | GCATCNNNNN! | 16 | 799; 835; 1261; 1303; 1390; 1711; 2047; 2089; 2176; 2497; 2696; 3459; 3531; 4179; 4243; 4518 |
| SfaNI | !NNNNNNNNNGATGC | 5 | 357; 3838; 4093; 4309; 5701 |

| Enzyme name | Sequence | Count | Cutting Position (the base to the left of the cut site) |
|-------------|------------------|-------|--|
| SfcI | C!TRYAG | 3 | 3215; 5342; 5533 |
| SfiI | GGCCNNNN!NGGCC | 1 | 3655 |
| SfoI | GGC!GCC | 1 | 3881 |
| Sfr274I | C!TCGAG | 1 | 1005 |
| Sfr303I | CCGC!GG | 0 | |
| SfuI | TT!CGAA | 1 | 4562 |
| SgeI | CNNGNNNNNNNN! | 250 | 6; 36; 71; 97; 123; 223; 236; 252; 290; 307; 336; 373; 407; 426; 491; 548; 579; 604; 620; 645; 665; 701; 722; 749; 762; 778; 791; 806; 833; 856; 875; 895; 914; 930; 944; 959; 980; 1005; 1019; 1028; 1047; 1067; 1094; 1121; 1139; 1163; 1178; 1196; 1220; 1235; 1249; 1280; 1293; 1319; 1343; 1364; 1378; 1400; 1418; 1436; 1449; 1469; 1488; 1502; 1547; 1571; 1593; 1608; 1622; 1637; 1654; 1671; 1685; 1706; 1720; 1739; 1756; 1780; 1796; 1814; 1833; 1853; 1880; 1907; 1925; 1949; 1964; 1982; 2006; 2021; 2035; 2066; 2079; 2105; 2129; 2150; 2164; 2186; 2204; 2222; 2235; 2255; 2274; 2288; 2333; 2357; 2379; 2394; 2408; 2423; 2440; 2457; 2471; 2492; 2506; 2525; 2540; 2587; 2616; 2658; 2741; 2815; 2899; 2921; 2953; 2990; 3008; 3027; 3042; 3084; 3101; 3118; 3153; 3167; 3184; 3206; 3230; 3254; 3319; 3333; 3371; 3387; 3427; 3440; 3459; 3482; 3499; 3512; 3531; 3561; 3582; 3599; 3622; 3657; 3684; 3715; 3737; 3763; 3785; 3804; 3832; 3868; 3887; 3910; 3924; 3944; 3957; 3971; 3990; 4004; 4023; 4055; 4069; 4082; 4108; 4139; 4152; 4169; 4186; 4200; 4217; 4235; 4250; 4278; 4294; 4313; 4335; 4351; 4374; 4393; 4418; 4437; 4457; 4484; 4508; 4541; 4560; 4588; 4602; 4668; 4692; 4707; 4730; 4751; 4768; 4816; 4843; 4857; 4886; 4910; 4943; 4960; 4980; 4993; 5006; 5064; 5091; 5110; 5140; 5165; 5185; 5199; 5224; 5242; 5279; 5317; 5346; 5374; 5388; 5408; 5423; 5444; 5458; 5477; 5495; 5511; 5551; 5571; 5598; 5616; 5637; 5650; 5663; 5680; 5704; 5727; 5759; 5784; 5811; 5833 |
| SgeI | !NNNNNNNNNNNCNNG | 215 | 10; 45; 71; 97; 197; 226; 264; 281; 310; 347; 381; 400; 465; 522; 553; 578; 598; 619; 639; 675; 696; 723; 745; 765; 807; 830; 849; 869; 888; 905; 922; 954; 979; 1002; 1021; 1041; 1068; 1095; 1113; 1137; 1157; 1176; 1194; 1223; 1254; 1275; 1293; 1317; 1338; 1356; 1374; 1392; 1410; 1434; 1452; 1476; 1521; 1545; 1567; 1596; 1628; 1645; 1680; 1713; 1730; 1754; 1782; 1807; 1827; 1854; 1881; 1899; 1923; 1943; 1962; 1980; 2009; 2040; 2061; 2079; 2103; 2124; 2142; 2160; 2178; 2196; 2220; 2238; 2262; 2307; 2331; 2353; 2382; 2414; 2431; 2466; 2499; 2521; 2561; 2590; 2632; 2715; 2789; 2873; 2895; 2927; 2964; 2982; 3001; 3058; 3075; 3092; 3127; 3145; 3165; 3185; 3204; 3228; 3293; 3345; 3401; 3433; 3456; 3473; 3505; 3535; 3556; 3573; 3596; 3631; 3658; 3689; 3711; 3737; 3759; 3778; 3806; 3842; 3861; 3884; 3905; 3923; 3940; 3964; 3997; 4029; 4056; 4082; 4113; 4143; 4160; 4186; 4209; 4230; 4252; 4272; 4292; 4309; 4348; 4367; 4392; 4411; 4431; 4458; 4482; 4515; 4534; 4562; 4584; 4642; 4666; 4685; 4704; 4725; 4742; 4790; 4817; 4837; 4860; 4884; 4917; 4934; 4954; 4980; 5038; 5065; 5084; 5114; 5139; 5159; 5198; 5216; 5253; 5291; 5320; 5348; 5369; 5397; 5418; 5451; 5469; 5525; 5545; 5572; 5590; 5611; 5637; 5654; 5678; 5701; 5733; 5758; 5785; 5807; 5836 |
| Sgfl | GCGAT!CGC | 0 | |
| SgrAI | CR!CCGGYG | 0 | |
| SgrBI | CCGC!GG | 0 | |
| SgrDI | CG!TCGACG | 0 | |
| SgsI | GG!CGCGCC | 0 | |
| SimI | GG!GTC | 4 | 27; 3027; 4814; 5607 |
| SimI | !GACCC | 6 | 106; 1459; 2245; 4308; 4876; 5124 |
| SinI | G!GWCC | 3 | 752; 4396; 4841 |
| SlaI | C!TCGAG | 1 | 1005 |
| SmaI | CCC!GGG | 0 | |
| SmiI | ATTT!AAAT | 0 | |
| SmiMI | CAYNN!NNRTG | 10 | 365; 729; 1107; 1368; 1386; 1800; 1893; 2154; 2172; 4317 |
| SmlI | C!TYRAG | 6 | 1005; 2762; 4271; 5153; 5430; 5692 |
| SmoI | C!TYRAG | 6 | 1005; 2762; 4271; 5153; 5430; 5692 |
| SmuI | CCCGNNNN! | 16 | 93; 119; 286; 641; 852; 1043; 1245; 1707; 1829; 2031; 2493; 3202; 3557; 3578; 4774; 4906 |
| SmuI | !NNNNNNGCGGG | 5 | 3133; 4003; 4540; 4678; 4825 |
| SnaBI | TAC!GTA | 1 | 340 |

| Enzyme name | Sequence | Count | Cutting Position (the base to the left of the cut site) |
|-------------|----------------------------------|-------|--|
| SpeI | A!CTAGT | 0 | |
| SphI | GCATG!C | 3 | 3450; 3522; 4285 |
| SrfI | GCCC!GGGC | 0 | |
| Sse9I | !AATT | 11 | 18; 797; 2630; 2694; 2772; 2798; 2809; 3456; 3528; 3620; 5038 |
| Sse8387I | CCTGCA!GG | 0 | |
| Sse8647I | AG!GWCCT | 0 | |
| SseBI | AGG!CCT | 1 | 3701 |
| SsiI | C!CGC | 51 | 58; 86; 98; 112; 279; 507; 589; 601; 634; 707; 845; 1036; 1238; 1301; 1379; 1522; 1580; 1700; 1774; 1822; 2024; 2087; 2165; 2308; 2366; 2486; 2527; 3195; 3198; 3212; 3302; 3550; 3562; 3571; 3583; 3593; 3604; 3650; 3789; 3852; 4354; 4399; 4465; 4491; 4616; 4619; 4767; 4899; 5206; 5350; 5846 |
| SsiI | G!CGG | 32 | 370; 403; 528; 595; 660; 685; 1030; 1531; 1759; 1816; 2317; 2523; 3140; 3167; 3255; 3365; 3946; 4010; 4111; 4114; 4394; 4449; 4547; 4685; 4832; 4972; 5215; 5460; 5581; 5600; 5727; 5755 |
| SspI | AAT!ATT | 2 | 2788; 3341 |
| SspDI | G!GCGCC | 1 | 3879 |
| SspD5I | GGTGANNNNNNNN! | 9 | 376; 674; 846; 1097; 1385; 1883; 2171; 4951; 5067 |
| SspD5I | !NNNNNNNNNTCACC | 14 | 868; 955; 1093; 1375; 1507; 1612; 1696; 1879; 2161; 2293; 2398; 2482; 2996; 4057 |
| SstI | GAGCT!C | 0 | |
| SstII | CCGC!GG | 0 | |
| SstE37I | CGAAGACNNNNNNNNNNNNNNNNNNNNNNNN! | 0 | |
| SstE37I | !NNNNNNNNNNNNNNNNNNNGTCTTCG | 0 | |
| Sth132I | CCCGNNNN! | 31 | 92; 118; 285; 640; 851; 1042; 1244; 1252; 1288; 1417; 1603; 1706; 1828; 2030; 2038; 2074; 2203; 2389; 2492; 3079; 3201; 3556; 3577; 3890; 4293; 4432; 4503; 4773; 4905; 5135; 5573 |
| Sth132I | !NNNNNNNNCCGGG | 18 | 15; 407; 470; 3080; 3132; 3233; 3960; 4002; 4035; 4539; 4648; 4677; 4824; 4928; 4959; 5412; 5456; 5664 |
| Sth302II | CC!GG | 25 | 767; 994; 1172; 1598; 1745; 1754; 1769; 1958; 2384; 3099; 3786; 3863; 3885; 3913; 4044; 4134; 4201; 4382; 4657; 4665; 4757; 5231; 5421; 5447; 5594 |
| StrI | C!TCGAG | 1 | 1005 |
| StsI | GGATGNNNNNNNNNN! | 5 | 1744; 3748; 4205; 4230; 4684 |
| StsI | !NNNNNNNNNNNNNNNCATCC | 3 | 1430; 2216; 3552 |
| StuI | AGG!CCT | 1 | 3701 |
| StyI | C!CWGGG | 9 | 360; 778; 784; 1015; 1801; 3609; 3702; 4312; 4717 |
| StyD4I | !CCNGG | 22 | 88; 281; 847; 882; 917; 1267; 1595; 2053; 2381; 3414; 3469; 3486; 3882; 4042; 4265; 4655; 4844; 4947; 5419; 5637; 5650; 5771 |
| SwaI | ATTT!AAAT | 0 | |
| TaaI | ACN!GT | 17 | 76; 198; 269; 543; 581; 1307; 1388; 2093; 2174; 2971; 4260; 4376; 4484; 4807; 5298; 5768; 5839 |
| TaiI | ACGT! | 18 | 125; 137; 178; 261; 342; 447; 1153; 1663; 1939; 2449; 2943; 2955; 2998; 3108; 3999; 4186; 4967; 5100 |
| TaqI | T!CGA | 24 | 820; 870; 1006; 1075; 1297; 1315; 1552; 1588; 1861; 2083; 2101; 2338; 2374; 3029; 3720; 3993; 4149; 4173; 4209; 4371; 4562; 4607; 4862; 5700 |
| TaqII | GACCGANNNNNNNNNN! | 3 | 2900; 3917; 4585 |
| TaqII | !NNNNNNNNNTCGGTC | 1 | 4829 |
| TaqII | CACCCANNNNNNNNNN! | 0 | |
| TaqII | !NNNNNNNNNTGGGTG | 3 | 172; 3784; 4376 |
| TasI | !AATT | 11 | 18; 797; 2630; 2694; 2772; 2798; 2809; 3456; 3528; 3620; 5038 |
| TatI | W!GTACW | 6 | 217; 297; 330; 381; 733; 970 |
| TauI | GCSG!C | 28 | 688; 709; 1033; 1381; 1534; 1582; 1762; 1819; 2167; 2320; 2368; 2526; 2529; 3200; 3214; 3652; 3791; 3854; 3949; 4114; 4117; 4356; 4452; 4493; 4621; 4975; 5603; 5758 |
| TfiI | G!AWTC | 5 | 4365; 4499; 4609; 4646; 5824 |
| ThiI | C!TCGAG | 1 | 1005 |
| TruII | T!TAA | 16 | 7; 2519; 2581; 2642; 2763; 2784; 2795; 2807; 2818; 2835; 2933; 3204; 5023; 5037; 5042; 5094 |
| Tru9I | T!TAA | 16 | 7; 2519; 2581; 2642; 2763; 2784; 2795; 2807; 2818; 2835; 2933; 3204; 5023; 5037; 5042; 5094 |
| TscAI | CASTGNN! | 5 | 2726; 4009; 5119; 5390; 5403 |
| TseI | G!CWGC | 27 | 703; 911; 914; 1120; 1123; 1178; 1576; 1747; 1756; 1762; 1906; 1909; 1964; 2362; 2656; 3175; 3840; 3941; 3983; 4024; 4117; 4504; 4957; 5183; 5389; 5392; 5457 |

| Enzyme name | Sequence | Count | Cutting Position (the base to the left of the cut site) |
|-------------|-----------------------------|-------|--|
| TsoI | TARCCANNNNNNNNNNNN! | 2 | 2852; 3199 |
| TsoI | !NNNNNNNNNTGGYTA | 2 | 2657; 4409 |
| Tsp45I | !GTSAC | 6 | 662; 1610; 2396; 3169; 4000; 4306 |
| Tsp509I | !AATT | 11 | 18; 797; 2630; 2694; 2772; 2798; 2809; 3456; 3528; 3620; 5038 |
| TspDTI | ATGAANNNNNNNNNNNN! | 4 | 810; 2638; 3939; 4643 |
| TspDTI | !NNNNNNNNNTTCAT | 8 | 26; 1061; 1496; 1847; 2282; 4357; 4813; 5020 |
| TspEI | !AATT | 11 | 18; 797; 2630; 2694; 2772; 2798; 2809; 3456; 3528; 3620; 5038 |
| TspGWI | ACGGANNNNNNNNNNNN! | 1 | 4755 |
| TspGWI | !NNNNNNNNNTCCGT | 0 | |
| TspMI | C!CCGGG | 0 | |
| TspRI | CASTGNN! | 5 | 2726; 4009; 5119; 5390; 5403 |
| TstI | CACNNNNNNNTCCNNNNNNNNNNNN! | 1 | 959 |
| TstI | !NNNNNNNGGANNNNNNNGTG | 0 | |
| TstI | GGANNNNNNGTGNNNNNNNNNNNNNN! | 0 | |
| TstI | !NNNNNNNNCACNNNNNNNTCC | 1 | 927 |
| Tth111I | GACN!NNGTC | 1 | 3998 |
| Tth111II | CAARCAANNNNNNNNNNNN! | 4 | 948; 1641; 2427; 5207 |
| Tth111II | !NNNNNNNNNTGYTTG | 3 | 4315; 5175; 5214 |
| UnbI | !GGNCC | 21 | 82; 275; 751; 1031; 1285; 1415; 1478; 1543; 1598; 1817; 2071; 2201; 2264; 2329; 2384; 2986; 4395; 4840; 4886; 4944; 4977 |
| Van91I | CCANNNN!NTGG | 4 | 1189; 1439; 1975; 2225 |
| Vha464I | C!TTAAG | 1 | 2762 |
| VneI | G!TGCAC | 3 | 1152; 1938; 5484 |
| VpaK11AI | !GGWCC | 3 | 751; 4395; 4840 |
| VpaK11BI | G!GWCC | 3 | 752; 4396; 4841 |
| VspI | AT!TAAT | 1 | 7 |
| XagI | CCTNN!NNNAGG | 0 | |
| XapI | R!AATTY | 4 | 797; 2694; 2798; 2809 |
| XbaI | T!CTAGA | 1 | 2534 |
| XceI | RCATG!Y | 6 | 1469; 2255; 3450; 3522; 4285; 5802 |
| XcmI | CCANNNNN!NNNTGG | 0 | |
| XhoI | C!TCGAG | 1 | 1005 |
| XhoII | R!GATCY | 12 | 585; 889; 986; 1591; 2377; 4051; 4297; 4689; 5048; 5060; 5146; 5157 |
| XmaI | C!CCGGG | 0 | |
| XmaJI | C!CTAGG | 2 | 3702; 4717 |
| XmiI | GT!MKAC | 0 | |
| XmnI | GAANN!NNTTC | 0 | |
| XspI | C!TAG | 8 | 592; 2535; 2729; 3147; 3703; 4718; 5052; 5305 |
| ZraI | GAC!GTC | 4 | 123; 176; 259; 445 |
| ZrmI | AGT!ACT | 0 | |
| Zsp2I | ATGCA!T | 3 | 3452; 3524; 5855 |