

pHyper-dMito vector

table of restriction sites

Enzyme Name	Sequence	Count	Cutting Position				
AatI	AGG!CCT	1	3412				
AatII	GACGT!C	4	126	179	262	448	
Acc65I	G!GTACC	0					
AccI	GT!MKAC	0					
AccII	CG!CG	28	61	663	665	756	758
			1000	1094	1163	1397	1817
			1973	1975	2066	2183	2240
			2515	2891	2911	2935	2966
			3657	3958	4396	4480	4543
			4612	4885	5466		
AccIII	T!CCGGA	1	829				
AciI	G!CGG	35	371	404	529	624	648
			717	741	974	1475	1481
			1951	2008	2018	2224	2234
			2851	2878	2966	3076	3657
			3721	3822	3825	4105	4160
			4258	4396	4543	4683	4926
			5171	5292	5311	5438	5466
AciI	C!CGC	53	59	87	99	113	280
			508	590	613	661	706
			754	835	880	1092	1178
			1254	1427	1430	1707	1748
			1815	1854	1971	2050	2109
			2143	2154	2181	2238	2906
			2909	2923	3013	3261	3273
			3282	3294	3304	3315	3361
			3500	3563	4065	4110	4176
			4202	4327	4330	4478	4610
			4917	5061	5557		
AcyI	GR!CGYC	9	123	176	259	445	610
			703	3591	4293	4372	
AfaI	GT!AC	11	220	245	300	333	384
			541	871	1103	1462	1918
			3897				
AflI	G!GWCC	5	832	865	1407	4107	4552
AflIII	C!TTAAG	1	2473				
AflIII	A!CRYGT	1	5509				
AgeI	A!CCGGT	2	786	1927			
AhaI	CC!SGG	9	645	738	1434	1518	1947
			3595	3755	4368	5132	
AhaII	GR!CGYC	9	123	176	259	445	610
			703	3591	4293	4372	
AhaIII	TTT!AAA	5	2216	2230	2293	4735	4754
AluI	AG!CT	24	567	918	1284	1358	1458
			1509	1542	1614	1626	1647
			1863	1911	2166	2370	2537
			2794	3089	3377	3697	4155
			4952	5209	5255	5345	
Alw44I	G!TGCAC	1	5195				
AlwI	GGATCNNNN!	11	695	788	1444	2029	3459
			3770	4016	4408	4767	4865
			4951				
AlwI	!NNNNNGATCC	10	581	666	759	775	987
			1245	3835	4379	4766	4863
AlwNI	CAGNNN!CTG	3	957	4692	5100		
AocI	CC!TNAGG	2	3071	4703			

AocII	GDGCH!C	11	1529 3630 5199	1658 3704	1907 3894	2782 3956	3537 4666
Aor51HI	AGC!GCT	1	2039				
AosI	TGC!GCA	3	1996	2149	3693		
AosII	GR!CGYC	9	123 703	176 3591	259 4293	445 4372	610
ApaI	GGGCC!C	0					
ApaLI	G!TGCAC	1	5195				
ApoI	R!AATTY	3	2405	2509	2520		
ApyI	CC!WGG	19	91 1846 3127 4660	284 1900 3182 5350	1534 1984 3199 5363	1659 2122 3978 5484	1771 2135 4557
AquI	C!YCGRG	0					
AscI	GG!CGCGCC	0					
AseI	AT!TAAT	1	8				
AsnI	AT!TAAT	1	8				
Asp700I	GAANN!NNTTC	1	1699				
Asp718I	G!GTACC	0					
AspHI	GWGCW!C	3	3704	3894	5199		
AspI	GACN!NNGTC	3	825	1198	3709		
AsuI	G!GNCC	15	84 865 4107	277 1324 4552	642 1407 4598	735 1661 4656	832 2698 4689
AsuII	TT!CGAA	1	4273				
AvaI	C!YCGRG	0					
AvaII	G!GWCC	5	832	865	1407	4107	4552
AvaIII	ATGCA!T	3	3163	3235	5566		
AviII	TGC!GCA	3	1996	2149	3693		
AvrI	!CYCGRG	0					
AvrII	C!CTAGG	2	3413	4428			
AxyI	CC!TNAGG	2	3071	4703			
BalI	TGG!CCA	2	2198	3673			
BamHI	G!GATCC	1	780				
BanI	G!GYRCC	7	466 3590	1486 3625	1524	1924	2744
BanII	GRGCY!C	3	2782	3956	4666		
BanIII	AT!CGAT	1	3431				
BbeI	GGCGC!C	1	3594				
BbiIII/AcyI	GR!CGYC	9	123 703	176 3591	259 4293	445 4372	610
BbrPI	CAC!GTG	0					
BbsI	!GTCTTC	0					
BbsI	!GAAGAC	0					
BbvI	GCAGCNNNNNNN!	12	1286 2175 4680	1293 2379 5180	1505 3664	1740 3706	2162 4227
BbvI	!NNNNNNNNNNNGCTGC	19	602 701 1634 3815	605 824 2132 4881	608 884 2873 5087	695 1319 3538 5090	698 1322 3722
BbvII	GAAGACNN!	0					
BbvII	!NNNNNNGTCTTC	0					
BcefI	ACGGCNNNNNNNNNN!	12	1245 1623 4017	1287 1704 4504	1338 1815	1563 1905	1575 1938
BcefI	!NNNNNNNNNNNNGCCGT	5	1021	2071	2733	3551	5010
BcgI	!GCANNNNNNTCG	0					

BcgI	!CGANNNNNNTGC	1	1589					
BclI	T!GATCA	0						
BcnI	CC!SGG	9	645	738	1434	1518	1947	
			3595	3755	4368	5132		
BfaI	C!TAG	8	593	2246	2440	2858	3414	
			4429	4763	5016			
BfrI	C!TTAAG	1	2473					
BglI	GCCNNNN!NGGC	6	91	213	284	815	1117	
			3366					
BglII	A!GATCT	0						
BinI	!NNNNNGATCC	10	581	666	759	775	987	
			1245	3835	4379	4766	4863	
BinI	GGATCNNNN!	11	695	788	1444	2029	3459	
			3770	4016	4408	4767	4865	
			4951					
BlnI	C!CTAGG	2	3413	4428				
BmyI	GDGCH!C	11	1529	1658	1907	2782	3537	
			3630	3704	3894	3956	4666	
			5199					
BpmI	!CTCCAG	1	4388					
BpmI	!CTGGAG	3	1413	1911	4409			
Bpu1102I	GC!TNAGC	0						
BsaAI	YAC!GTR	3	341	2707	3895			
BsaBI	GATNN!NNATC	2	2253	3450				
BsaHI	GR!CGYC	9	123	176	259	445	610	
			703	3591	4293	4372		
BsaI	GGTCTCN!	0						
BsaI	!NNNNNGAGACC	1	4580					
BsaJI	C!CNNGG	23	361	1081	1517	1657	1680	
			1820	1844	1899	1946	3125	
			3197	3320	3355	3364	3413	
			3754	4023	4428	4555	4556	
			4658	4659	5349			
BseAI	T!CCGGA	1	829					
BsePI	!GCGCGC	2	662	755				
BsgI	!GTGCAG	1	1278					
BsgI	!CTGCAC	3	837	897	1631			
BsiEI	CGRY!CG	4	791	2238	3500	5175		
BsiWI	C!GTACG	0						
BsiYI	CCNNNNN!NNGG	26	50	681	774	862	957	
			1002	1433	1658	1821	2603	
			2929	3321	3572	4116	4397	
			4429	4430	4561	4596	4646	
			4647	4678	5031	5310	5476	
			5494					
BslI	CCNNNNN!NNGG	26	50	681	774	862	957	
			1002	1433	1658	1821	2603	
			2929	3321	3572	4116	4397	
			4429	4430	4561	4596	4646	
			4647	4678	5031	5310	5476	
			5494					
BsmAI	!GTCTC	1	429					
BsmAI	!GAGAC	5	819	3020	3438	4457	4585	
BsmI	GAATGCN!	2	1102	2342				
BsmI	G!CATTC	2	1021	2435				
Bsp1286I	GDGCH!C	11	1529	1658	1907	2782	3537	
			3630	3704	3894	3956	4666	
			5199					
BspDI	AT!CGAT	1	3431					

BspEI	T!CCGGA	1	829					
BspHI	T!CATGA	2	3017	4789				
BspMI	ACCTGCNNNN!	3	881	3859	4309			
BspMI	!NNNNNNNNGCAGGT	2	2002	3478				
BspMII	T!CCGGA	1	829					
BspWI	GCNNNNN!NNGC	53	91	213	245	284	377	
			401	618	621	635	657	
			711	714	728	750	815	
			1056	1117	1177	1190	1493	
			1499	1580	1640	1653	1697	
			1706	1979	2046	2055	2117	
			2182	2818	2848	2875	2917	
			2919	3158	3230	3281	3360	
			3366	3582	3666	3689	3828	
			3834	3951	4034	4301	4488	
			4692	4891	5463			
BsrFI	R!CCGGY	9	786	1180	1489	1639	1927	
			2808	3910	4091	4374		
BsrI	ACTGGN!	5	962	971	3535	3736	4982	
BsrI	C!CAGT	9	296	655	748	951	1362	
			2620	3298	5094	5107		
BssHII	G!CGCGC	2	663	756				
Bst1107I	GTA!TAC	0						
BstBI	TT!CGAA	1	4273					
BstEII	G!GTNACC	0						
BstI	G!GATCC	1	780					
BstNI	CC!WGG	19	91	284	1534	1659	1771	
			1846	1900	1984	2122	2135	
			3127	3182	3199	3978	4557	
			4660	5350	5363	5484		
BstPI	G!GTNACC	0						
BstUI	CG!CG	28	61	663	665	756	758	
			1000	1094	1163	1397	1817	
			1973	1975	2066	2183	2240	
			2515	2891	2911	2935	2966	
			3657	3958	4396	4480	4543	
			4612	4885	5466			
BstXI	CCANNNN!NTGG	1	801					
BstYI	R!GATCY	13	586	671	687	764	780	
			1250	3762	4008	4400	4759	
			4771	4857	4868			
Bsu36I	CC!TNAGG	2	3071	4703				
CbiI	TT!CGAA	1	4273					
CcrI	C!TCGAG	0						
CelII	GC!TNAGC	0						
CfoI	GCG!C	36	665	667	758	760	963	
			1002	1163	1397	1778	1819	
			1975	1997	2040	2060	2150	
			2185	2857	2865	2891	2913	
			2922	2935	2966	3585	3593	
			3657	3694	3960	4220	4396	
			4482	4885	4994	5168	5268	
			5335					
Cfr10I	R!CCGGY	9	786	1180	1489	1639	1927	
			2808	3910	4091	4374		
Cfr13I	G!GNCC	15	84	277	642	735	832	
			865	1324	1407	1661	2698	
			4107	4552	4598	4656	4689	
Cfr9I	C!CCGGG	0						

CfrI	Y!GGCCR	9	1109 3497	1211 3671	1560 4062	2196 4089	2235
ClaI	AT!CGAT	1	3431				
CpoI	CG!GWCCG	2	832	4107			
Csp45I	TT!CGAA	1	4273				
CspI	CG!GSCCG	2	642	735			
CviJI	RG!CY	115	43 629 731 1050 1240 1509 1647 1863 2044 2166 2370 2794 3325 3400 3524 3673 3847 4064 4171 4600 4701 5100 5345	85 638 736 1063 1284 1542 1662 1877 2097 2176 2537 2808 3354 3412 3551 3697 3910 4091 4351 4657 4952 5179 5443	94 643 744 1111 1325 1562 1685 1911 2120 2198 2557 3089 3360 3418 3576 3735 3954 4095 4378 4664 4981 5204 5469	278 651 809 1184 1358 1614 1691 1945 2138 2237 2699 3130 3369 3499 3660 3811 3964 4132 4439 4671 5024 5209 5487	567 722 918 1213 1458 1626 1763 1982 2153 2260 2780 3202 3377 3516 3669 3828 3981 4155 4561 4690 5035 5255 5498
CvnI	CC!TNAGG	2	3071	4703			
DdeI	C!TNAG	8	1354 4703	1372 4826	3071 5235	3373	4254
DpnI	GA!TC	31	588 994 1400 3430 3923 4761 4945	673 1076 1438 3434 3932 4773	689 1115 1630 3453 4010 4851	766 1166 2023 3764 4386 4859	782 1252 2250 3842 4402 4870
DpnII	!GATC	31	586 992 1398 3428 3921 4759 4943	671 1074 1436 3432 3930 4771	687 1113 1628 3451 4008 4849	764 1164 2021 3762 4384 4857	780 1250 2248 3840 4400 4868
DraI	TTT!AAA	5	2216	2230	2293	4735	4754
DraII	RG!GNCCY	1	4689				
DraIII	CACNNN!GTG	1	2707				
DrdI	GACNNNN!NNGTC	3	2662	3618	5407		
DsaI	C!CRYGG	4	361	1081	3320	4023	
DsaV	!CCNGG	28	89 1516 1898 3125 3976 5348	282 1532 1945 3180 4366 5361	643 1657 1982 3197 4555 5482	736 1769 2120 3593 4658	1432 1844 2133 3753 5130
EaeI	Y!GGCCR	9	1109 3497	1211 3671	1560 4062	2196 4089	2235

EagI	C!GGCCG	2	2235	3497				
Eam1105I	GACNNN!NNGTC	0						
EarI	!CTCTTC	0						
EarI	!GAAGAG	3	3062	3939	4149			
Ecl136II	GAG!CTC	0						
EclXI	C!GGCCG	2	2235	3497				
Eco105I	TAC!GTA	1	341					
Eco31I	GGTCTCN!	0						
Eco31I	!NNNNNGAGACC	1	4580					
Eco47I	G!GWCC	5	832	865	1407	4107	4552	
Eco47III	AGC!GCT	1	2039					
Eco52I	C!GGCCG	2	2235	3497				
Eco57I	!CTGAAG	5	1620	1692	1863	3715	4147	
Eco57I	!CTTCAG	1	4981					
Eco81I	CC!TNAGG	2	3071	4703				
EcoNI	CCTNN!NNNAGG	0						
EcoO109I	RG!GNCCY	1	4689					
EcoO65I	G!GTNACC	0						
EcoRI	G!AATTC	0						
EcoRII	!CCWGG	19	89	282	1532	1657	1769	
			1844	1898	1982	2120	2133	
			3125	3180	3197	3976	4555	
			4658	5348	5361	5482		
EcoRV	GAT!ATC	0						
EcoT14I	C!CWGGG	5	361	3320	3413	4023	4428	
EcoT22I	ATGCA!T	3	3163	3235	5566			
EcoT38I	GRGCY!C	3	2782	3956	4666			
EheI	GGC!GCC	1	3592					
Esp3I	CGTCTCN!	0						
Esp3I	!NNNNNGAGACG	1	814					
EspI	GC!TNAGC	0						
FbaI	T!GATCA	0						
FinI	!GTCCC	4	3121	3193	3257	4552		
FinI	!GGGAC	6	161	312	480	3727	4259	
			4368					
Fnu4HI	GC!NGC	60	613	616	619	622	649	
			661	706	709	712	715	
			742	754	838	898	975	
			1275	1282	1333	1336	1430	
			1494	1648	1729	2009	2050	
			2109	2146	2151	2154	2164	
			2235	2238	2368	2887	2909	
			2923	3361	3500	3552	3563	
			3653	3658	3695	3736	3823	
			3826	3829	4065	4161	4202	
			4216	4330	4669	4684	4895	
			5101	5104	5169	5312	5467	
FokI	GGATGNNNNNNNN!	7	1483	1966	2206	3458	3915	
			3940	4394				
FokI	!NNNNNNNNNNNNNCATCC	4	1516	1882	2164	3264		
FspI	TGC!GCA	3	1996	2149	3693			
GdiII	!NNNNNYGGCCG	6	1103	1205	2229	3491	4056	
			4083					
GdiII	CGGCCRN!	3	1566	2241	3503			
GsuI	!CTCCAG	1	4388					
GsuI	!CTGGAG	3	1413	1911	4409			
HaeI	WGG!CCW	9	1240	2120	2176	2198	3412	
			3673	5035	5487	5498		
HaeII	RGCGC!Y	5	2041	2858	2866	3594	5269	

HaeIII	GG!CC	32	85	278	643	736	1111
			1213	1240	1325	1562	1662
			1691	2120	2176	2198	2237
			2557	2699	3354	3360	3369
			3412	3499	3673	4064	4091
			4600	4657	4690	5035	5469
			5487	5498			
HapII	C!CGG	30	645	738	787	830	1181
			1433	1490	1517	1580	1640
			1928	1946	2053	2098	2809
			3496	3573	3595	3623	3754
			3844	3911	4092	4367	4375
			4467	4941	5131	5157	5304
HgaI	GACGCNNNNN!	5	527	618	711	4301	4380
HgaI	!NNNNNNNNNGCGTC	3	2924	4819	5397		
HgiAI	GWGCW!C	3	3704	3894	5199		
HgiEII	!ACCNNNNNNGGT	1	4921				
HhaI	GCG!C	36	665	667	758	760	963
			1002	1163	1397	1778	1819
			1975	1997	2040	2060	2150
			2185	2857	2865	2891	2913
			2922	2935	2966	3585	3593
			3657	3694	3960	4220	4396
			4482	4885	4994	5168	5268
			5335				
Hin1I	GR!CGYC	9	123	176	259	445	610
			703	3591	4293	4372	
HinP1I	G!CGC	36	663	665	756	758	961
			1000	1161	1395	1776	1817
			1973	1995	2038	2058	2148
			2183	2855	2863	2889	2911
			2920	2933	2964	3583	3591
			3655	3692	3958	4218	4394
			4480	4883	4992	5166	5266
			5333				
HincII	GTY!RAC	1	2354				
HindIII	A!AGCTT	0					
HinfI	G!ANTC	13	411	852	2242	2634	2656
			3066	4076	4210	4262	4320
			4357	5139	5535		
HpaI	GTT!AAC	1	2354				
HpaII	C!CGG	30	645	738	787	830	1181
			1433	1490	1517	1580	1640
			1928	1946	2053	2098	2809
			3496	3573	3595	3623	3754
			3844	3911	4092	4367	4375
			4467	4941	5131	5157	5304
HphI	GGTGANNNNNNN!	6	377	1017	1836	1860	4662
			4778				
HphI	!NNNNNNNTCACC	5	1069	1506	2132	2708	3769
KasI	G!GCGCC	1	3590				
KpnI	GGTAC!C	0					
Ksp632I	CTCTTCN!	0					
Ksp632I	!NNNNGAAGAG	3	3058	3935	4145		
KspI	CCGC!GG	0					
MaeI	C!TAG	8	593	2246	2440	2858	3414
			4429	4763	5016		
MaeII	A!CGT	19	123	135	176	259	340
			445	1199	1262	1466	1553

			1766	2651	2663	2706	2816
			3707	3894	4675	4808	
MaeIII	!GTNAC	16	62	149	498	953	1150
			1422	1671	2379	2880	2892
			3711	4017	4707	4973	5089
			5152				
MamI	GATNN!NNATC	2	2253	3450			
MboI	!GATC	31	586	671	687	764	780
			992	1074	1113	1164	1250
			1398	1436	1628	2021	2248
			3428	3432	3451	3762	3840
			3921	3930	4008	4384	4400
			4759	4771	4849	4857	4868
			4943				
MboII	GAAGANNNNNNNN!	9	1084	1156	1236	1969	2847
			3075	3952	4162	4781	
MboII	!NNNNNNNTCTTC	7	1731	1776	1779	4242	4409
			4609	4852			
McrI	!CGRYCG	4	787	2234	3496	5171	
MfeI	!CAATTG	1	2340				
MflI	R!GATCY	13	586	671	687	764	780
			1250	3762	4008	4400	4759
			4771	4857	4868		
MluI	A!CGCGT	0					
MmeI	!TCCRAC	1	2658				
MmeI	!GTYGGA	3	861	5134	5318		
MnlI	CCTCNNNNNNN!	12	1006	1678	1690	2310	2319
			3374	3380	4192	4398	4712
			5082	5406			
MnlI	!NNNNNNNGAGG	23	541	1259	1496	1577	1583
			1814	1826	1877	2165	2269
			2734	3065	3343	3349	3386
			3389	3401	3441	3505	3641
			3998	4428	5331		
MroI	T!CCGGA	1	829				
MscI	TGG!CCA	2	2198	3673			
MseI	T!TAA	18	8	2093	2215	2229	2292
			2353	2474	2495	2506	2518
			2529	2546	2644	2915	4734
			4748	4753	4805		
MspI	C!CGG	30	645	738	787	830	1181
			1433	1490	1517	1580	1640
			1928	1946	2053	2098	2809
			3496	3573	3595	3623	3754
			3844	3911	4092	4367	4375
			4467	4941	5131	5157	5304
MstI	TGC!GCA	3	1996	2149	3693		
MstII	CC!TNAGG	2	3071	4703			
MunI	C!AATTG	1	2341				
MvaI	CC!WGG	19	91	284	1534	1659	1771
			1846	1900	1984	2122	2135
			3127	3182	3199	3978	4557
			4660	5350	5363	5484	
MvnI	CG!CG	28	61	663	665	756	758
			1000	1094	1163	1397	1817
			1973	1975	2066	2183	2240
			2515	2891	2911	2935	2966
			3657	3958	4396	4480	4543
			4612	4885	5466		

NaeI	GCC!GGC	4	1182	2810	4093	4376	
NarI	GG!CGCC	1	3591				
NciI	CC!SGG	9	645	738	1434	1518	1947
			3595	3755	4368	5132	
NcoI	C!CATGG	3	361	3320	4023		
NdeI	CA!TATG	1	235				
NdeII	!GATC	31	586	671	687	764	780
			992	1074	1113	1164	1250
			1398	1436	1628	2021	2248
			3428	3432	3451	3762	3840
			3921	3930	4008	4384	4400
			4759	4771	4849	4857	4868
			4943				
NgoMI	G!CCGGC	4	1180	2808	4091	4374	
NheI	G!CTAGC	1	592				
NlaIII	CATG!	23	305	365	600	937	1212
			1407	1452	1725	1755	2004
			3021	3161	3233	3324	3465
			3810	3996	4027	4053	4409
			4793	5513	5564		
NlaIV	GGN!NCC	22	468	652	745	782	1326
			1488	1526	1926	2102	2746
			2767	2779	2970	3131	3203
			3592	3627	4475	4554	4599
			5442	5481			
NotI	GC!GGCCGC	1	2235				
NruI	TCG!CGA	0					
NsiI	ATGCA!T	3	3163	3235	5566		
Nsp(7524)I	RCATG!Y	5	600	3161	3233	3996	5513
Nsp(7524)V	TT!CGAA	1	4273				
NspBII	CMG!CKG	10	615	708	837	974	2145
			2166	3089	3697	4926	5171
NspII	GDGCH!C	11	1529	1658	1907	2782	3537
			3630	3704	3894	3956	4666
			5199				
NspIII	C!YCGRG	0					
NspIV	G!GNCC	15	84	277	642	735	832
			865	1324	1407	1661	2698
			4107	4552	4598	4656	4689
NunII	GG!CGCC	1	3591				
PacI	TTAAT!TAA	0					
Paer71	C!TCGAG	0					
PalI	GG!CC	32	85	278	643	736	1111
			1213	1240	1325	1562	1662
			1691	2120	2176	2198	2237
			2557	2699	3354	3360	3369
			3412	3499	3673	4064	4091
			4600	4657	4690	5035	5469
			5487	5498			
PflMI	CCANNNN!NTGG	3	681	774	957		
PleI	GAGTCNNNN!	2	2642	3074			
PleI	!NNNNNGACTC	5	405	2236	2650	4256	5133
PmaCI	CAC!GTG	0					
PmeI	GTTT!AAAC	0					
PmlI	CAC!GTG	0					
PpuMI	RG!GWCCY	0					
PshAI	GACNN!NNGTC	0					
PstI	CTGCA!G	0					
PvuI	CGAT!CG	0					

PvuII	CAG!CTG	3	2166	3089	3697			
RmaI	C!TAG	8	593	2246	2440	2858	3414	
			4429	4763	5016			
RsaI	GT!AC	11	220	245	300	333	384	
			541	871	1103	1462	1918	
			3897					
RsrI	G!AATTC	0						
RsrII	CG!GWCCG	2	832	4107				
SacI	GAGCT!C	0						
SacII	CCGC!GG	0						
SalI	G!TCGAC	0						
Sau3AI	!GATC	31	586	671	687	764	780	
			992	1074	1113	1164	1250	
			1398	1436	1628	2021	2248	
			3428	3432	3451	3762	3840	
			3921	3930	4008	4384	4400	
			4759	4771	4849	4857	4868	
			4943					
Sau96I	G!GNCC	15	84	277	642	735	832	
			865	1324	1407	1661	2698	
			4107	4552	4598	4656	4689	
SauI	CC!TNAGG	2	3071	4703				
ScaI	AGT!ACT	0						
ScrFI	CC!NGG	28	91	284	645	738	1434	
			1518	1534	1659	1771	1846	
			1900	1947	1984	2122	2135	
			3127	3182	3199	3595	3755	
			3978	4368	4557	4660	5132	
			5350	5363	5484			
SduI	GDGCH!C	11	1529	1658	1907	2782	3537	
			3630	3704	3894	3956	4666	
			5199					
SecI	C!CNNGG	23	361	1081	1517	1657	1680	
			1820	1844	1899	1946	3125	
			3197	3320	3355	3364	3413	
			3754	4023	4428	4555	4556	
			4658	4659	5349			
SexI	!CTCGAG	0						
SfaNI	GCATCNNNNN!	9	1241	1865	1880	2407	3170	
			3242	3890	3954	4229		
SfaNI	!NNNNNNNNNGATGC	7	358	1127	1587	3549	3804	
			4020	5412				
SfcI	C!TRYAG	3	2926	5053	5244			
SfiI	GGCCNNNN!NGGCC	1	3366					
SfuI	TT!CGAA	1	4273					
SgrAI	CR!CCGGYG	0						
SinI	G!GWCC	5	832	865	1407	4107	4552	
SmaI	CCC!GGG	0						
SnaBI	TAC!GTA	1	341					
SnaI	!GTATAC	0						
SnoI	G!TGCAC	1	5195					
SpeI	A!CTAGT	0						
SphI	GCATG!C	3	3161	3233	3996			
SplI	C!GTACG	0						
SrfI	GCCC!GGGC	0						
Sse8387I	CCTGCA!GG	0						
SspI	AAT!ATT	2	2499	3052				
SstI	GAGCT!C	0						
SstII	CCGC!GG	0						

SstIII	!ACGT	19	122	134	175	258	339
			444	1198	1261	1465	1552
			1765	2650	2662	2705	2815
			3706	3893	4674	4807	
StuI	AGG!CCT	1	3412				
StyI	C!CWWGG	5	361	3320	3413	4023	4428
StySJI	!GAGNNNNNNNGTRC	0					
StySJI	!GYACNNNNNNNCTC	0					
SwaI	ATTT!AAAT	0					
TaqI	T!CGA	17	983	1265	1538	1832	1859
			2204	2740	3431	3704	3860
			3884	3920	4082	4273	4318
			4573	5411			
TaqII	GACCGANNNNNNNNNNN!	3	2611	3628	4296		
TaqII	!NNNNNNNNNTCGGTC	1	4540				
TaqII	CACCCANNNNNNNNNNN!	0					
TaqII	!NNNNNNNNNTGGGTG	3	173	3495	4087		
TfiI	G!AWTC	6	852	4076	4210	4320	4357
			5535				
ThaI	CG!CG	28	61	663	665	756	758
			1000	1094	1163	1397	1817
			1973	1975	2066	2183	2240
			2515	2891	2911	2935	2966
			3657	3958	4396	4480	4543
			4612	4885	5466		
Tsp45I	!GTSAC	6	1150	1422	1671	2880	3711
			4017				
TspEI	!AATT	10	19	2341	2405	2483	2509
			2520	3167	3239	3331	4749
Tth111I	GACN!NNGTC	3	825	1198	3709		
Tth111II	CAARCANNNNNNNNNNN!	2	1234	4918			
Tth111III	!NNNNNNNNNTGYTTG	5	1030	1146	4026	4886	4925
TthHB8I	T!CGA	17	983	1265	1538	1832	1859
			2204	2740	3431	3704	3860
			3884	3920	4082	4273	4318
			4573	5411			
Van91I	CCANNNN!NTGG	3	681	774	957		
VspI	AT!TAAT	1	8				
XbaI	T!CTAGA	1	2245				
XcmI	!CCANNNNNNNNNTCG	1	3866				
XcyI	C!CCGGG	0					
XhoI	C!TCGAG	0					
XhoII	R!GATCY	13	586	671	687	764	780
			1250	3762	4008	4400	4759
			4771	4857	4868		
XmaI	C!CCGGG	0					
XmaIII	C!GGCCG	2	2235	3497			
XmnI	GAANN!NNTTC	1	1699				
XorII	CGAT!CG	0					