pUC19 DNAの切断フラグメントの塩基数と切断部位

切断数：酵素名の下に記入

Enzyme	Fragment Size	Locations
*Aat*II	2,686	(2,622-2,621)
1		
Acc I	2,686	(431- 430)
1		
Ava I	2,686	(413- 412)
1		
*Bam*H I	2,686	(418- 417)
1		
Eco O109 I	2,686	(2,676-2,675)
1		
*Eco*R I	2,686	(397- 396)
1		
*Eco*T38 I	2,686	(407- 406)
1		
*Hinc*II	2,686	(432- 431)
1		
*Hind*III	2,686	(448- 447)
1		
Kpn I	2,686	(413- 412)
1		
Nar I	2,686	(237- 236)
1		
Nde I	2,686	(185- 184)
1		
Pst I	2,686	(440- 439)
1		
Sac I	2,686	(407- 406)
1		
Sal I	2,686	(430- 429)
1		
Sca I	2,686	(2,180-2,179)
1		
Sma I	2,686	(415- 414)
1		
Sph I	2,686	(446- 445)
1		
Ssp I	2,686	(2,504-2,503)
1		
Xba I	2,686	(424- 423)
1		
*Ava*II	2,464	(2,060-1,837)
2	222	(1,838-2,059)
Bgl I	1,568	(252-1,819)
2	1,118	(1,820- 251)
Fsp I	1,663	(259-1,921)
2	1,023	(1,922- 258)
*Pvu*II	2,364	(631- 308)
2	322	(309- 630)
Pvu I	1,790	(280-2,069)
2	896	(2,070- 279)
Acy I	2,000	(237-2,236)
3	382	(2,237-2,618)
	304	(2,619- 236)
Alw44 I	1,246	(1,121-2,366)
3	943	(178-1,120)
	497	(2,367- 177)
Ase I	1,392	(1,872- 577)
3	1,235	(637-1,871)
	59	(578- 636)
Dra I	1,975	(2,277-1,565)
3	692	(1,585-2,276)
	19	(1,566-1,584)
*Hae*II	1,871	(1,055- 239)
3	445	(240- 684)
	370	(685-1,054)
Rsa I	1,769	(411-2,179)
3	676	(2,180- 169)
	241	(170- 410)
Ban I	1,274	(1,648- 235)
4	1,097	(551-1,647)
	173	(236- 408)
	142	(409- 550)
Taq I	1,444	(907-2,350)
4	736	(2,351- 400)
	476	(431- 906)
	30	(401- 430)

Enzyme	Fragment Size	Locations
*Bsp*1286 I	1,161	(1,125-2,285)
5	718	(407-1,124)
	497	(2,371- 181)
	225	(182- 406)
	85	(2,286-2,370)
*Eco*R II	2,073	(967- 353)
5	288	(545- 832)
	191	(354- 544)
	121	(833- 953)
	13	(954- 966)
Fok I	1,331	(335-1,665)
5	643	(2,134- 90)
	287	(1,847-2,133)
	244	(91- 334)
	181	(1,666-1,846)
Dde I	910	(172-1,081)
6	540	(1,657-2,196)
	426	(2,197-2,622)
	409	(1,082-1,490)
	235	(2,623- 171)
	166	(1,491-1,656)
Hinf I	1,419	(1,695- 427)
6	517	(1,178-1,694)
	396	(782-1,177)
	214	(428- 641)
	75	(707- 781)
	65	(642- 706)
*Sau*96 I	1,455	(287-1,741)
6	616	(2,060-2,675)
	297	(2,676- 286)
	222	(1,838-2,059)
	79	(1,742-1,820)
	17	(1,821-1,837)
Nci I	772	(415-1,186)
7	696	(1,187-1,882)
	501	(2,234- 48)
	351	(1,883-2,233)
	330	(84- 413)
	35	(49- 83)
	1	(414- 414)
*Mbo*II	755	(1,540-2,294)
8	639	(678-1,316)
	488	(2,482- 283)
	394	(284- 677)
	152	(1,317-1,468)
	109	(2,373-2,481)
	78	(2,295-2,372)
	71	(1,469-1,539)
*Acc*II	581	(854-1,434)
10	545	(109- 653)
	493	(1,765-2,257)
	332	(2,258-2,589)
	330	(1,435-1,764)
	198	(656- 853)
	103	(6- 108)
	100	(2,590- 3)
	2	(4- 5)
	2	(654- 655)
*Hae*III	587	(2,090-2,676)
11	458	(1,285-1,742)
	434	(851-1,284)
	298	(2,677- 288)
	267	(1,823-2,089)
	257	(391- 647)
	174	(648- 821)
	102	(289- 390)
	80	(1,743-1,822)
	18	(833- 850)
	11	(822- 832)
*Scr*F I	696	(1,187-1,882)
12	501	(2,234- 48)
	351	(1,883-2,233)
	288	(547- 834)
	272	(84- 355)
	218	(969-1,186)
	132	(415- 546)
	121	(835- 955)
	58	(356- 413)
	35	(49- 83)
	13	(956- 968)
	1	(414- 414)
Msp I	501	(2,234- 48)
13	489	(525-1,013)
	404	(1,377-1,780)
	331	(83- 413)
	242	(1,992-2,233)
	190	(1,187-1,376)
	147	(1,014-1,160)
	111	(414- 524)
	110	(1,882-1,991)
	67	(1,815-1,881)
	34	(49- 82)
	34	(1,781-1,814)
	26	(1,161-1,186)

Enzyme	Fragment Size	Locations
Dpn I	955	(420-1,374)
15	585	(2,380- 278)
	341	(1,664-2,004)
	258	(2,069-2,326)
	141	(279- 419)
	105	(1,559-1,663)
	78	(1,469-1,546)
	75	(1,375-1,449)
	46	(2,023-2,068)
	36	(2,344-2,379)
	18	(2,005-2,022)
	17	(2,327-2,343)
	12	(1,547-1,558)
	11	(1,450-1,460)
	8	(1,461-1,468)
*Nde*II	955	(418-1,372)
15	585	(2,378- 276)
	341	(1,662-2,002)
	258	(2,067-2,324)
	141	(277- 417)
	105	(1,557-1,661)
	78	(1,467-1,544)
	75	(1,373-1,447)
	46	(2,021-2,066)
	36	(2,342-2,377)
	18	(2,003-2,020)
	17	(2,325-2,341)
	12	(1,545-1,556)
	11	(1,448-1,458)
	8	(1,459-1,466)
*Sau*3A I	955	(418-1,372)
15	585	(2,378- 276)
	341	(1,662-2,002)
	258	(2,067-2,324)
	141	(277- 417)
	105	(1,557-1,661)
	78	(1,467-1,544)
	75	(1,373-1,447)
	46	(2,021-2,066)
	36	(2,342-2,377)
	18	(2,003-2,020)
	17	(2,325-2,341)
	12	(1,545-1,556)
	11	(1,448-1,458)
	8	(1,459-1,466)
Alu I	679	(2,052- 44)
16	521	(1,368-1,888)
	257	(1,111-1,367)
	245	(64- 308)
	226	(749- 974)
	118	(631- 748)
	100	(1,889-1,988)
	96	(309- 404)
	95	(472- 566)
	90	(975-1,064)
	64	(567- 630)
	63	(1,989-2,051)
	46	(1,065-1,110)
	45	(405- 449)
	22	(450- 471)
	19	(45- 63)
Hha I	393	(1,437-1,829)
17	337	(1,923-2,259)
	332	(2,260-2,591)
	331	(260- 590)
	270	(717- 986)
	174	(1,154-1,327)
	130	(109- 238)
	109	(1,328-1,436)
	103	(6- 108)
	100	(1,054-1,153)
	100	(2,592- 5)
	93	(1,830-1,922)
	67	(987-1,053)
	65	(591- 655)
	33	(684- 716)
	28	(656- 683)
	21	(239- 259)

Enzyme	Fragment Size	Locations