

5) pMW119 DNA

pMW119 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	Enzyme	Fragment Size	Locations	Enzyme	Fragment Size	Locations	Enzyme	Fragment Size	Locations
<i>Acc</i> I 1	4,211	(2,316-2,315)	<i>Pst</i> I 3	2,199 1,135 877	(126-2,324) (2,325-3,459) (3,460- 125)				<i>Sau</i> 3A I 20	935 817 585 341 275 258 193 183 141 105 78 77 75 46 36 18 17 12 11 8	(499-1,433) (3,893- 498) (2,303-2,887) (3,177-3,517) (1,887-2,161) (3,582-3,839) (1,694-1,886) (1,434-1,616) (2,162-2,302) (3,072-3,176) (2,982-3,059) (1,617-1,693) (2,888-2,962) (3,536-3,581) (3,857-3,892) (3,518-3,535) (3,840-3,856) (3,060-3,071) (2,963-2,973) (2,974-2,981)
<i>Aaf</i> II 1	4,211	(4,137-4,136)	<i>Acy</i> I 4	1,836 1,674 382 319	(242-2,077) (2,078-3,751) (3,752-4,133) (4,134- 241)				<i>Dde</i> I 11	242 190 111 110 67 34 26	(3,507-3,748) (2,702-2,891) (2,299-2,409) (3,397-3,506) (3,330-3,396) (3,296-3,329) (2,676-2,701)
<i>Afl</i> II 1	4,211	(388- 387)	<i>Esp</i> 1286 I 4	2,617 1,161 348 85	(3,886-2,291) (2,640-3,800) (2,292-2,639) (3,801-3,886)				<i>Ban</i> I 5	1,969 1,289 727 142 84	(325-2,293) (3,163- 240) (2,436-3,162) (2,294-2,435) (241- 324)
<i>Bam</i> HI 1	4,211	(2,303-2,302)	<i>Dra</i> I 5	1,738 1,718 692 44 19	(1,343-3,080) (3,792-1,298) (3,100-3,791) (1,299-1,342) (3,081-3,099)				<i>Hha</i> I 14	1,836 393 348 337 332 331 174 109 100 93 65 44 28 21	(288-2,123) (2,952-3,344) (4,107- 243) (3,438-3,774) (3,775-4,106) (2,145-2,475) (2,669-2,842) (2,843-2,951) (2,569-2,668) (3,345-3,437) (2,476-2,540) (244- 287) (2,541-2,568) (2,124-2,144)
<i>Bsm</i> I 1	4,211	(1,862-1,861)	<i>Fok</i> I 5	1,790 992 961 287 181	(430-2,219) (3,649- 429) (2,220-3,180) (3,362-3,648) (3,181-3,361)				<i>Nci</i> I 5	2,761 696 402 351 1	(3,749-2,298) (2,702-3,397) (2,300-2,701) (3,398-3,748) (2,299-2,299)
<i>Eco</i> O109 I 1	4,211	(4,191-4,190)	<i>Taq</i> I 5	2,235 1,550 243 153 30	(3,866-1,889) (2,316-3,865) (2,043-2,285) (1,890-2,042) (2,286-2,315)				<i>Acl</i> I 20	1,016 591 521 453 274 257 141 136 126 110 100 96 95 64 63 56 45 28 22 17	(3,567- 371) (978-1,568) (2,883-3,403) (372- 824) (1,569-1,842) (2,626-2,882) (2,053-2,193) (825- 960) (1,871-1,996) (2,516-2,625) (3,404-3,503) (2,194-2,289) (2,357-2,451) (2,452-2,515) (3,504-3,566) (1,997-2,052) (2,290-2,334) (1,843-1,870) (2,335-2,356) (961- 977)
<i>Eco</i> R I 1	4,211	(2,282-2,281)	<i>Acc</i> II 6	2,645 493 409 332 330 2	(4,105-2,538) (3,280-3,772) (2,541-2,949) (3,773-4,104) (2,950-3,279) (2,539-2,540)				<i>Sau</i> 96 I 6	2,192 1,085 616 222 79 17	(4,191-2,171) (2,172-3,256) (3,575-4,190) (3,353-3,574) (3,257-3,335) (3,336-3,352)
<i>Eco</i> T38 I 1	4,211	(2,292-2,291)	<i>Sbf</i> I 7	2,703 696 351 270 132 58 1	(3,749-2,240) (2,702-3,397) (3,398-3,748) (2,432-2,701) (2,300-2,431) (2,241-2,298) (2,299-2,299)				<i>Hae</i> III 9	1,404 789 587 458 267 267 257 102 80	(4,192-1,384) (1,385-2,173) (3,605-4,191) (2,800-3,257) (2,533-2,799) (3,338-3,604) (2,276-2,532) (2,174-2,275) (3,258-3,337)
<i>Hind</i> III 1	4,211	(2,333-2,332)	<i>Hinf</i> I 9	1,230 696 538 517 502 268 214 166 90	(3,210- 228) (319-1,004) (1,507-2,044) (2,693-3,209) (1,005-1,506) (2,045-2,312) (2,313-2,526) (2,527-2,692) (229- 318)				<i>Nde</i> II 20	935 817 585 341 275 258 193 183 141 105 78 77 75 46 36 18 17 12 11 8	(499-1,433) (3,893- 498) (2,303-2,887) (3,177-3,517) (1,887-2,161) (3,582-3,839) (1,694-1,886) (1,434-1,616) (2,164-2,304) (3,074-3,178) (2,984-3,061) (1,619-1,695) (2,890-2,964) (3,538-3,583) (3,859-3,894) (3,520-3,537) (3,842-3,858) (3,062-3,073) (2,965-2,975) (2,976-2,983)
<i>Kpn</i> I 1	4,211	(2,298-2,297)	<i>Rsa</i> I 2	2,812 1,399	(3,695-2,296) (2,296-3,694)				<i>Ssp</i> I 2	3,666 545	(353-4,018) (4,019- 352)
<i>Mae</i> I 1	4,211	(242- 241)	<i>Ssp</i> II 2	3,889 322	(2,516-2,193) (2,194-2,515)				<i>Pvu</i> I 2	2,791 1,420	(3,585-2,164) (2,165-3,584)
<i>Nde</i> I 1	4,211	(1,799-1,798)	<i>Rsa</i> II 2	2,812 1,399	(3,695-2,296) (2,296-3,694)				<i>Ase</i> I 3	3,287 865 59	(3,387-2,462) (2,522-3,386) (2,463-2,521)
<i>Sac</i> I 1	4,211	(2,292-2,291)	<i>Ssp</i> I 2	3,666 545	(353-4,018) (4,019- 352)				<i>Hae</i> II 3	1,886 1,890 445	(2,570- 244) (245-2,124) (2,125-2,569)