

(Linear) (Circular) MAPSORT of: Peaw118.Seq check: 7314 from: 1 to: 7169

>>>pJS39

Mismatch: 0 MinCuts = 1 MaxCuts: 3
With 198 enzymes: *

May 4, 1994 15:04 ..

AatII G_ACGT'C

Cuts at: 7099 7099
Size: 7169

AflIII A'CryG_T

Cuts at: 2322 2497 2322
Size: 175 6994

AgeI A'CCGG_T

Cuts at: 674 1178 1842 674
Size: 504 664 6001

Fragments arranged by size:

6001 664 504

Alw44I G'TGCA_C

Cuts at: 5598 6844 5598
Size: 1246 5923

AlwNI CAG_nnn'CTG

Cuts at: 934 5700 934
Size: 4766 2403

AvaI C'yCGr_G

Cuts at: 3960 4079 3960
Size: 119 7050

BaeI ACnnnnGTAYC

Cuts at: 2306 2306
Size: 7169

BamHI G'GATC_C

Cuts at: 1325 4278 1325
Size: 2953 4216

BanII G_rGCy'C

Cuts at: 4379 4393 4379

Size: 14 7155

BclI T'GATC_A

Cuts at: 3491 3535 3804 3491
Size: 44 269 6856

Fragments arranged by size:

6856 269 44

BglII A'GATC_T

Cuts at: 1405 1405
Size: 7169

BpmI CTGGAGnnnnnnnnnnnnnnn_nn'

Cuts at: 4737 5291 6247 4737
Size: 554 956 5659

Fragments arranged by size:

5659 956 554

Bpu10I CC'TnA_GC

Cuts at: 1701 2510 3122 1701
Size: 809 612 5748

Fragments arranged by size:

5748 809 612

Bpu1102I GC'TnA_GC

Cuts at: 321 321
Size: 7169

BsaI GGTCTCn'nnnn_

Cuts at: 6238 6238
Size: 7169

BsaBI GATnn'nnATC

Cuts at: 735 1912 735
Size: 1177 5992

BsbI CAACAC

Cuts at: 749 6720 749
Size: 5971 1198

BsgI GTGCAGnnnnnnnnnnnnnnn_nn'

Cuts at: 3523 3523

Size: 7169

BsiI C'TCGT_G

Cuts at: 5457 6841 7148 5457
Size: 1384 307 5478

Fragments arranged by size:

5478 1384 307

BsmBI CGTCTCn'nnnn_

Cuts at: 632 2295 632
Size: 1663 5506

BspGI CTGGAC

Cuts at: 1009 4964 5041 1009
Size: 3955 77 3137

Fragments arranged by size:

3955 3137 77

BsrBI GAG'CGG

Cuts at: 205 7018 205
Size: 6813 356

BssHII G'CGCG_C

Cuts at: 3920 4024 3920
Size: 104 7065

Bst1107I GTA'TAC

Cuts at: 2273 2273
Size: 7169

BstXI CCA_nnnn'nTGG

Cuts at: 1202 3696 1202
Size: 2494 4675

Bsu36I CC'TnA_GG

Cuts at: 4144 4144
Size: 7169

ClaI AT'CG_AT

Cuts at: 54 1026 1730 54
Size: 972 704 5493

Fragments arranged by size:

5493 972 704

DraIII CAC_nnn'GTG

Cuts at: 4138 4138
Size: 7169

DrdI GACnn_nn'nnGTC

Cuts at: 887 5392 887
Size: 4505 2664

DrdII GAACCA

Cuts at: 2345 2489 3814 2345
Size: 144 1325 5700

Fragments arranged by size:

5700 1325 144

EagI C'GGCC_G

Cuts at: 4844 4844
Size: 7169

Eam1105I GACnn_n'nnGTC

Cuts at: 6177 6177
Size: 7169

EarI CTCTTCn'nnn_

Cuts at: 4015 6972 4015
Size: 2957 4212

EcoNI CCTnn'n_nnAGG

Cuts at: 3169 4531 3169
Size: 1362 5807

EcoRI G'AATT_C

Cuts at: 1 527 2278 1
Size: 526 1751 4892

Fragments arranged by size:

4892 1751 526

EcoRV GAT'ATC

Cuts at: 976 1162 2765 976
Size: 186 1603 5380

Fragments arranged by size:

5380 1603 186

FspI TGC'GCA

Cuts at: 5263 6399 5263
Size: 1136 6033

HgiEII ACCnnnnnnGGT

Cuts at: 679 5870 679
Size: 5191 1978

HindIII A'AGCT_T

Cuts at: 59 59
Size: 7169

HpaI GTT'AAC

Cuts at: 1716 3640 1716
Size: 1924 5245

KpnI G_GTAC'C

Cuts at: 69 69
Size: 7169

MluI A'CGCG_T

Cuts at: 2497 2497
Size: 7169

MunI C'AATT_G

Cuts at: 2214 2214
Size: 7169

NcoI C'CATG_G

Cuts at: 1201 2828 1201
Size: 1627 5542

NdeI CA'TA_TG

Cuts at: 3540 3540
Size: 7169

NruI TCG'CGA

Cuts at: 3241 4879 3241
Size: 1638 5531

NsiI A_TGCA'T

Cuts at: 1461 3350 1461
Size: 1889 5280

NspV TT'CG_AA

Cuts at: 5 4241 5
Size: 4236 2933

Pfl11108I TCGTAG

Cuts at: 4663 6195 4663
Size: 1532 5637

PflMI CCA_nnn'nTGG

Cuts at: 2070 5226 5275 2070
Size: 3156 49 3964

Fragments arranged by size:

3964 3156 49

PmeI GTTT'AAAC

Cuts at: 541 541
Size: 7169

PmlI CAC'GTG

Cuts at: 2323 2323
Size: 7169

PshAI GAC_nn'nnGTC

Cuts at: 632 4621 632
Size: 3989 3180

Psp5II rG'GwC_Cy

Cuts at: 3903 3903
Size: 7169

PstI C_TGCA'G

Cuts at: 1077 6422 1077
Size: 5345 1824

PvuI CG_AT'CG

Cuts at: 4232 6547 4232
Size: 2315 4854

PvuII CAG'CTG

Cuts at: 73 73
Size: 7169

RleAI CCCACAnnnnnnnnnn_nnn'

Cuts at: 2203 3358 2203

Size: 1155 6014

RsrII CG'GwC_CG

Cuts at: 1107 1107
Size: 7169

SacII CC_GC'GG

Cuts at: 1531 1531
Size: 7169

SalI G'TCGA_C

Cuts at: 1393 4556 1393
Size: 3163 4006

ScaI AGT'ACT

Cuts at: 2046 6657 2046
Size: 4611 2558

SexAI A'CCwGG_T

Cuts at: 3984 3984
Size: 7169

SgrAI Cr'CCGG_yG

Cuts at: 941 4313 941
Size: 3372 3797

SnaBI TAC'GTA

Cuts at: 3198 3198
Size: 7169

SphI G_CATG'C

Cuts at: 4470 4470
Size: 7169

SspI AAT'ATT

Cuts at: 2375 3785 6981 2375
Size: 1410 3196 2563

Fragments arranged by size:

3196 2563 1410

XbaI T'CTAG_A

Cuts at: 22 2964 4258 22
Size: 2942 1294 2933

Fragments arranged by size:

2942 2933 1294

XcmI CCAnnnn_n'nnnnTGG

Cuts at: 1226 1226
Size: 7169

XhoI C'TCGA_G

Cuts at: 4079 4079
Size: 7169

XmnI GAAnn'nnTTC

Cuts at: 2491 6776 2491
Size: 4285 2884

Enzymes that do cut:

AatII	AccI	AciI	AflIII	AgeI	AluI	AlwI	Alw21I
Alw44I	AlwNI	ApaBI	ApoI	AvaI	AvaII	BaeI	BamHI
BanI	BanII	BbsI	BbvI	BccI	Bce83I	BcefI	BcgI
BcgI	BclI	BfaI	BglI	BglII	BpmI	Bpu10I	Bpu1102I
BsaI	BsaAI	BsaBI	BsaHI	BsaJI	BsaWI	BsbI	BscGI
BsgI	BsiI	BsiEI	BslI	BsmI	BsmAI	BsmBI	BsmFI
BsoFI	Bsp24I	Bsp24I	Bsp1286I	BspGI	BspMI	BsrI	BsrBI
BsrDI	BsrFI	BssHII	Bst1107I	BstEII	BstXI	BstYI	Bsu36I
Cac8I	CjeI	CjeI	CjePI	CjePI	Clal	CviJI	CviRI
DdeI	DpnI	DraI	DraIII	DrdI	DrdII	DsaI	EaeI
EagI	Eam1105I	EarI	EciI	Eco47III	Eco57I	EcoNI	EcoO109I
EcoRI	EcoRII	EcoRV	FauI	FokI	FspI	GdiII	HaeI
HaeII	HaeIII	HgaI	HgiEII	HhaI	HincII	HindIII	HinfI
HpaI	HphI	KpnI	MaeII	MaeIII	MboII	MluI	MmeI
MnlI	MseI	MslI	MspI	MspAI	MunI	MwoI	NarI
NciI	NcoI	NdeI	NgoAIV	NlaIII	NlaIV	NruI	NsiI
NspI	NspV	Pfl1108I	PflMI	PleI	PmeI	PmlI	PshAI
Psp5II	Psp1406I	PstI	PvuI	PvuII	RcaI	RleAI	RsaI
RsrII	SacII	SalI	Sau96I	Sau3AI	ScaI	ScrFI	SexAI
SfaNI	SfcI	SgrAI	SnaBI	SphI	SspI	StyI	TaqI
TaqII	TaqII	TfiI	ThaI	TseI	Tsp45I	Tsp509I	Tth111II
VspI	XbaI	XcmI	XhoI	XmnI			

Enzymes that do not cut:

AflII	ApaI	AscI	AvrII	BseRI	BspEI	BspLU11I	BsrGI
FseI	MscI	NheI	NotI	PacI	SacI	SapI	SfiI
SgfI	SmaI	SpeI	SrfI	Sse8387I	StuI	SunI	SwaI
Tth111I							

Enzymes excluded; MinCuts: 1 MaxCuts: 3

AccI	AciI	AluI	AlwI	Alw21I	ApaBI	ApoI	AvaII
BanI	BbsI	BbvI	BccI	Bce83I	BcefI	BcgI	BcgI
BfaI	BglI	BsaAI	BsaHI	BsaJI	BsaWI	BscGI	BsiEI
BslI	BsmI	BsmAI	BsmFI	BsoFI	Bsp24I	Bsp24I	Bsp1286I

BspMI	BsrI	BsrDI	BsrFI	BstEII	BstYI	Cac8I	CjeI
CjeI	CjePI	CjePI	CviJI	CviRI	DdeI	DpnI	DraI
DsaI	EaeI	EciI	Eco47III	Eco57I	EcoO109I	EcoRII	FauI
FokI	GdiII	HaeI	HaeII	HaeIII	HgaI	HhaI	HincII
HinfI	HphI	MaeII	MaeIII	MboII	MmeI	MnlI	MseI
MslI	MspI	MspA1I	MwoI	NarI	NciI	NgoAIV	NlaIII
NlaIV	NspI	PleI	Psp1406I	RcaI	RsaI	Sau96I	Sau3AI
ScrFI	SfaNI	SfcI	StyI	TaqI	TaqII	TaqII	TfiI
ThaI	TseI	Tsp45I	Tsp509I	Tth111III	VspI		