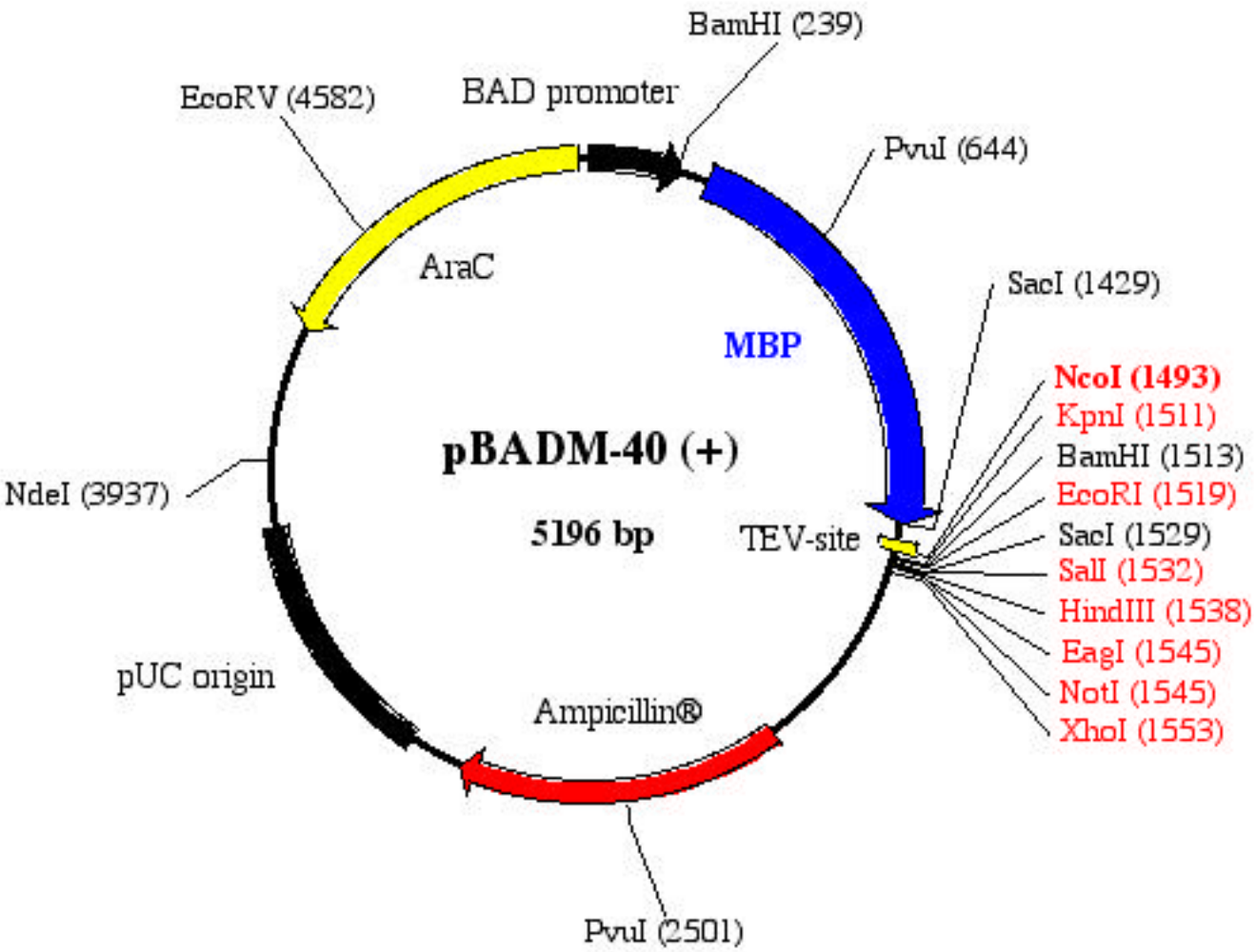
BamHI (239)
EcoRV (4582)
BAD promoter
PvuI (644)
AraC
SacI (1429)
MBP
NcoI (1493)
KpnI (1511)
BamHI (1513)
EcoRI (1519)
SacI (1529)
SalI (1532)
HindIII (1538)
EagI (1545)
NotI (1545)
XhoI (1553)
pBADM-40 (+)
5196 bp
TEV-site
NdeI (3937)
pUC origin
Ampicillin®
PvuI (2501)

pBADM-40(+)

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                                                          rbs
GCTTTTTATCGCAACTCTCTACTGTTTCTCCATACCCGTTTTTTGGGCTAACAGGAGGAA
CGAAAAATAGCGTTGAGAGATGACAAAGAGGTATGGGCAAAAAACCCGATTGTCCTCCTT


TTAACCATGAAAATCGAAGAAGGTAAACTG...1038bp...CGTCAGACTGTCGATGAA
AATTGGATCTTTTAGCTTCTTCCATTTGAC.....MBP....GCAGTCTGACAGCTACTT
      METLysIleGluGluGlyLysLeu....346aa...LeuGlnThrValAspGlu


GCCCTGAAAGACGCGCAGACTAATTCGAGCTCGAACAACAACAACAATAACAATAACAAC
CGGGACTTTCTGCGCGTCTGATTAAGCTCGAGCTTGTTGTTGTTGTTATTGTTATTGTTG
AlaLeuLysAspAlaGlnThrAsnSerSerSerAsnAsnAsnAsnAsnAsnAsnAsnAsn


                 ______________TEV-site  NcoI          KpnI  BamHI
AACCCCATGAGCGAGAATCTTTATTTTCAG GGCGCCATGGACTAATGAGGTACCGGATCC
TTGGGGTACTCGCTCTTAGAAATAAAAGTC CCGCGGTACCTGATTACTCCATGGCCTAGG
AsnProMetSerGluAsnLeuTyrPheGln|GlyAlaMETAsp******


                              NotI
 EcoRI SacI   SalI HindIII EagI    XhoI
GAATTCGAGCTCCGTCGACAAGCTTGCGGCCGCACTCGAGAGCTTGGCTGTTTTGGCGGA
CTTAAGCTCGAGGCAGCTGTTCGAACGCCGGCGTGAGCTCTCGAACCGACAAAACCGCCT
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Single Cutters Listed by Site Order

74	PinAI	1361	BclI	1545	Eco52I	2870	Eam1105I
74	AgeI	1490	NarI	1545	EagI	3937	NdeI
77	BstEII	1491	EheI	1545	NotI	4014	Tth111I
135	MluI	1493	NcoI	1545	XmaIII	4203	SphI
609	SplI	1493	BbeI	1553	XhoI	4205	NsiI
609	SunI	1507	Asp718I	1555	SciI	4497	AflII
678	BglII	1507	Acc65I	2389	ScaI	4582	EcoRV
704	BstXI	1511	KpnI	2647	MstI	4904	SpoI
1105	Bpu1102I	1519	EcoRI	2695	VspI	4904	NruI
1105	EspI	1532	SalI	2752	BglI	5116	PflMI
1229	Eco47III	1538	HindIII				

Non Cutting Enzymes

AatII	ApaI	AscI	AsuII	AvrII	BalI
BbvII	Bsc91I	Bsp1407I	Bsu36I	ClaI	Csp45I
CspI	CvnI	DraIII	Eco56I	Eco72I	EcoNI
FseI	HpaI	I-PpoI	Mlu113I	MscI	MstII
NaeI	NheI	PacI	PmaCI	PmeI	PstI
PvuII	SacII	SauI	SfiI	SgrAI	SmaI
SnaBI	SpeI	SrfI	SstII	StuI	SwaI
XbaI	XcmI	XmaI			