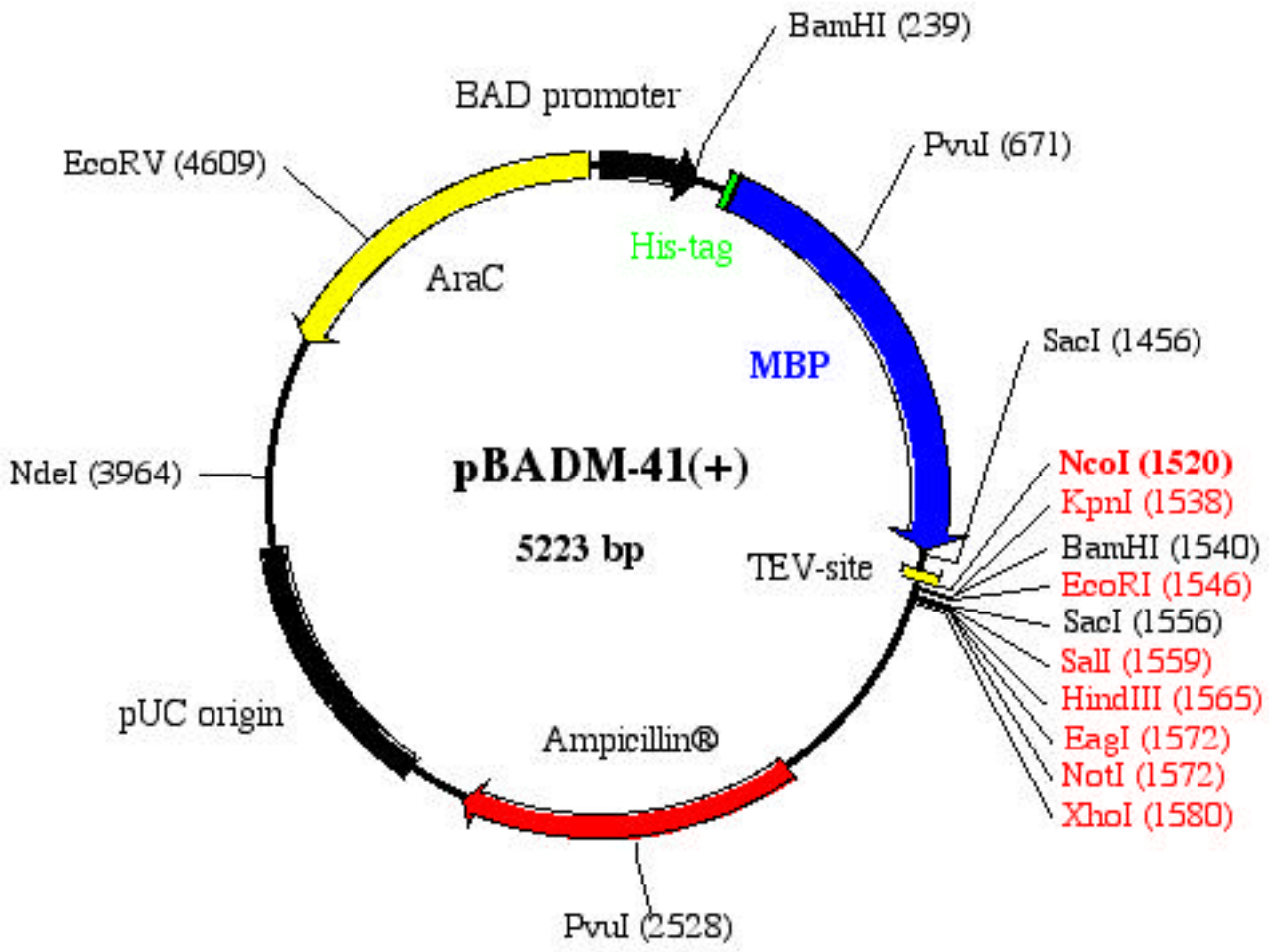
BamHI (239)
BAD promoter
PvuI (671)
EcoRV (4609)
His-tag
AraC
SacI (1456)
MBP
NdeI (3964)
pBADM-41(+)
NcoI (1520)
KpnI (1538)
5223 bp
BamHI (1540)
TEV-site
EcoRI (1546)
SacI (1556)
SalI (1559)
HindIII (1565)
pUC origin
EagI (1572)
Ampicillin®
NotI (1572)
XhoI (1580)
PvuI (2528)

pBADM-41(+)

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                                                        rbs
TTTTATCGCAACTCTCTACTGTTTCTCCATACCCGTTTTTTGGGCTAACAGGAGGAATTA
AAAATAGCGTTGAGAGATGACAAAGAGGTATGGGCAAAAAACCCGATTGTCCTCCTTAAT


ACCATGAAACATCACCATCACCATCACCCCATGAAAATCGAA...1071bp...CTGAAA
TGGTACTTTGTAGTGGTAGTGGTAGTGGGGTACTTTTAGCTT.....MBP....GACTTT
   METLysHisHisHisHisHisHisProMETLysIleGlu....357aa...AspLys


GACGCGCAGACTAATTCGAGCTCGAACAACAACAACAATAACAATAACAACAACCCCATG
CTGCGCGTCTGATTAAGCTCGAGCTTGTTGTTGTTGTTATTGTTATTGTTGTTGGGGTAC
AspAlaGlnThrIleSerSerSerAsnAsnAsnAsnAsnAsnAsnAsnAsnAsnProMet


                TEV-site  NcoI          KpnI        EcoRI
AGCGAGAATCTTTATTTTCAG GGCGCCATGGACTAATGAGGTACCGGATCCGAATTCG
TCGCTCTTAGAAATAAAAGAC CCGCGGTACCTGATTACTCCATGGAATAGGCTTAAGC
SerGluAsnLeuTyrPheGln|GlyAlaMETAsp******

                     NotI
       SalI          EagI
SacI        HindIII         XhoI
AGCTCCGTCGACAAGCTTGCGGCCGCACTCGAGAGCTTGGCTGTTTTGGCGGATGAGAGA
TAGAGGCAGCTGTTCGAACGCCGGCGTGAGCTCTCGAACCGACAAAACCGCCTACTCTCT
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Single Cutter Listed by Site Order

74	PinAI	1388	BclI	1572	Eco52I	2897	Eam1105I
74	AgeI	1517	NarI	1572	EagI	3964	NdeI
77	BstEII	1518	EheI	1572	NotI	4041	Tth111I
135	MluI	1520	NcoI	1572	XmaIII	4230	SphI
636	SplI	1520	BbeI	1580	XhoI	4232	NsiI
636	SunI	1534	Asp718I	1582	SciI	4524	AflII
705	BglII	1534	Acc65I	2416	ScaI	4609	EcoRV
731	BstXI	1538	KpnI	2674	MstI	4931	SpoI
1132	Bpu1102I	1546	EcoRI	2722	VspI	4931	NruI
1132	EspI	1559	SalI	2779	BglI	5143	PflMI
1256	Eco47III	1565	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			