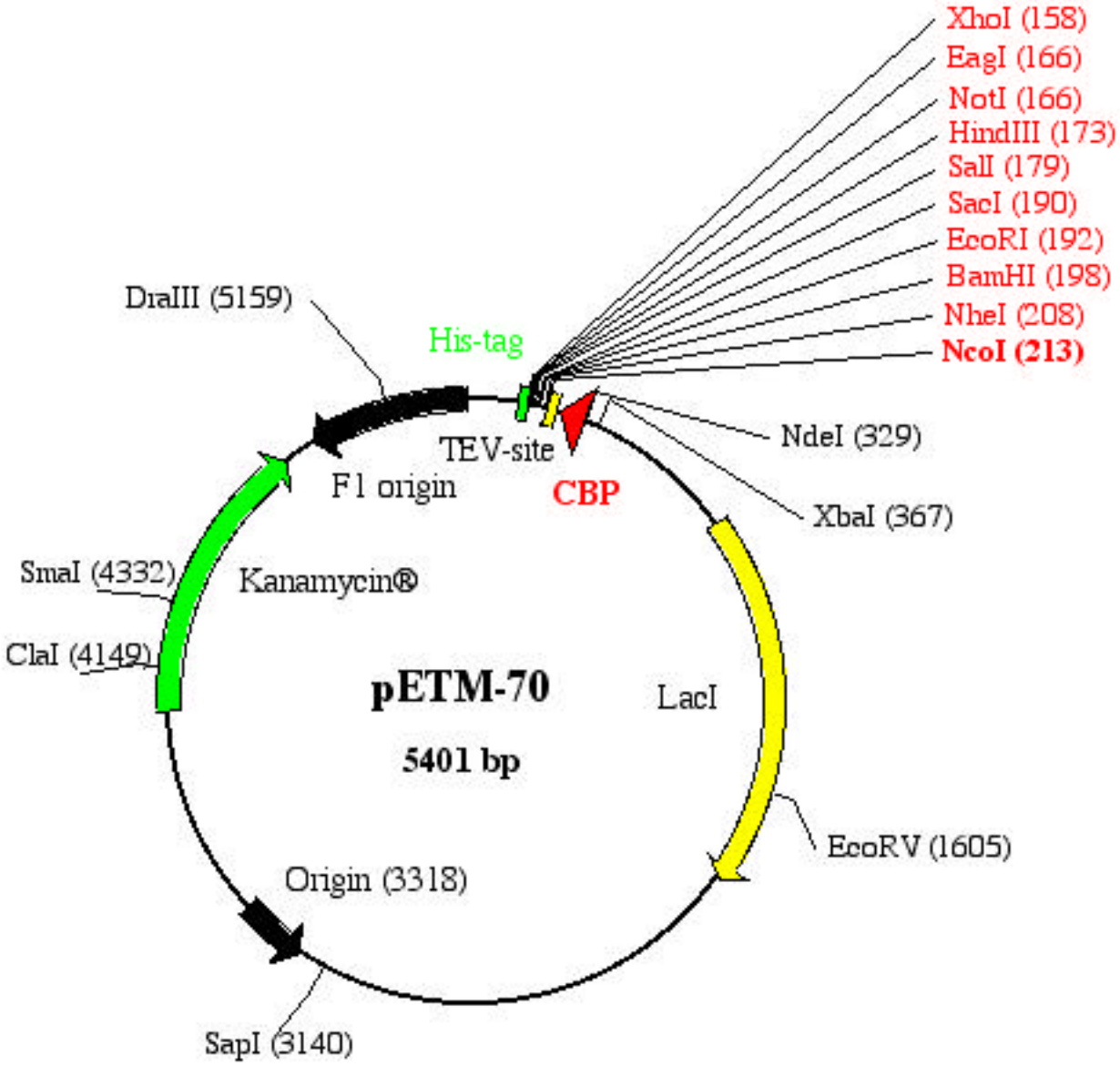
XhoI (158)
EagI (166)
NotI (166)
HindIII (173)
SalI (179)
SacI (190)
EcoRI (192)
BamHI (198)
NheI (208)
NcoI (213)
DraIII (5159)
His-tag
TEV-site
CBP
NdeI (329)
XbaI (367)
F1 origin
SmaI (4332)
Kanamycin®
ClaI (4149)
pETM-70
5401 bp
LacI
EcoRV (1605)
Origin (3318)
SapI (3140)

pETM-70

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     T7 promoter  -->              lac operator  XbaI
GAAATTAATACGACTCACTATAGGGGAATTGTGAGCGGATAACAATTCCCCTCTAGAAAT
CTTTAATTATGCTGAGTGATATCCCCTTAACACTCGCCTATTGTTAAGGGGAGATCTTTA

                        RBS      NdeI
AATTTTGTTTAACTTTAAGAAGGAGATATACATATGAAGCGACGATGGAAAAAGAATTTC
TTAAAACAAATTGAAATTCTTCCTCTATATGTATACTTCGCTGCTACCTTTTTCTTAAAG
                                 METLysArgArgTrpLysLysAsnPhe

                Calmodulin Binding Protein (CBP)
ATAGCCGTCTCAGCAGCCAACCGCTTTAAGAAAATCTCATCCTCCGGGGCACTTTCCGCG
TATCGGCAGAGTCGTCGGTTGGCGAAATTCTTTTAGAGTAGGAGGCCCCGTGAAAGGCGC
IleAlaValSerAlaAlaAsnArgPheLysLysIleSerSerSerGlyAlaLeuSerAla

                                                   EcoRI
                TEV-site  NcoI            BamHI        SacI
GGTGAGAATCTTTATTTTCAG GGCGCCATGGCTAGCGGTCGGATCCGAATTCGAGCTCCG
CCACTCTTAGAAATAAAAGTC CCGCGGTACCGATCGCCAGCCTAGGCTTAAGCTCGAGGC
GlyGluAsnLeuTyrPheGln|GlyAlaMETAlaSerGlyArgIleArgIleArgAlaPro

              NotI
              EagI
SalI HindIII          XhoI          His-tag
TCGACAAGCTTGCGGCCGCACTCGAGCACCACCACCACCACCACTGAGATCCGGCTGCTA
AGCTGTTCGAACGCCGGCGTGAGCTCGTGGTGGTGGTGGTGGTGACTCTAGGCCGACGAT
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Single Cutters Listed by Site Order

80	EspI	190	SacI	630	SphI	3140	SapI
80	Bpu1102I	192	EcoRI	839	ApaBI	3429	BsiI
158	XhoI	198	BamHI	1155	MluI	3672	AlwNI
160	SciI	208	NheI	1169	BclI	3804	Eco57I
166	XmaIII	213	NcoI	1336	BstEII	4115	SpoI
166	EagI	244	Mlu113I	1366	ApaI	4115	NruI
166	NotI	246	SacII	1566	BssHII	4149	ClaI
166	Eco52I	246	SstII	1605	EcoRV	4330	XmaI
173	HindIII	329	NdeI	1661	HpaI	4332	SmaI
179	SalI	367	XbaI	2219	BglI	4458	PvuI
188	EcoICRI	433	BglII	2237	MstI	4458	XorII
188	Ecl136II	474	SgrAI	3001	Tth111I	5159	DraIII
190	SstI						

Non Cutting Enzymes

AatII	Acc65I	AflII	AgeI	AhaIII	AscI
Asp718I	AsuII	AvrII	BalI	Bsp1407I	BspMI
Bsu36I	Csp45I	CspI	CvnI	DraI	Eam1105I
Eco31I	Eco72I	FseI	I-PpoI	KpnI	MfeI
MscI	MstII	PacI	PinAI	PmaCI	PmeI
PstI	RleAI	SauI	ScaI	SfiI	SnaBI
SpeI	SplI	SrfI	StuI	SunI	SwaI