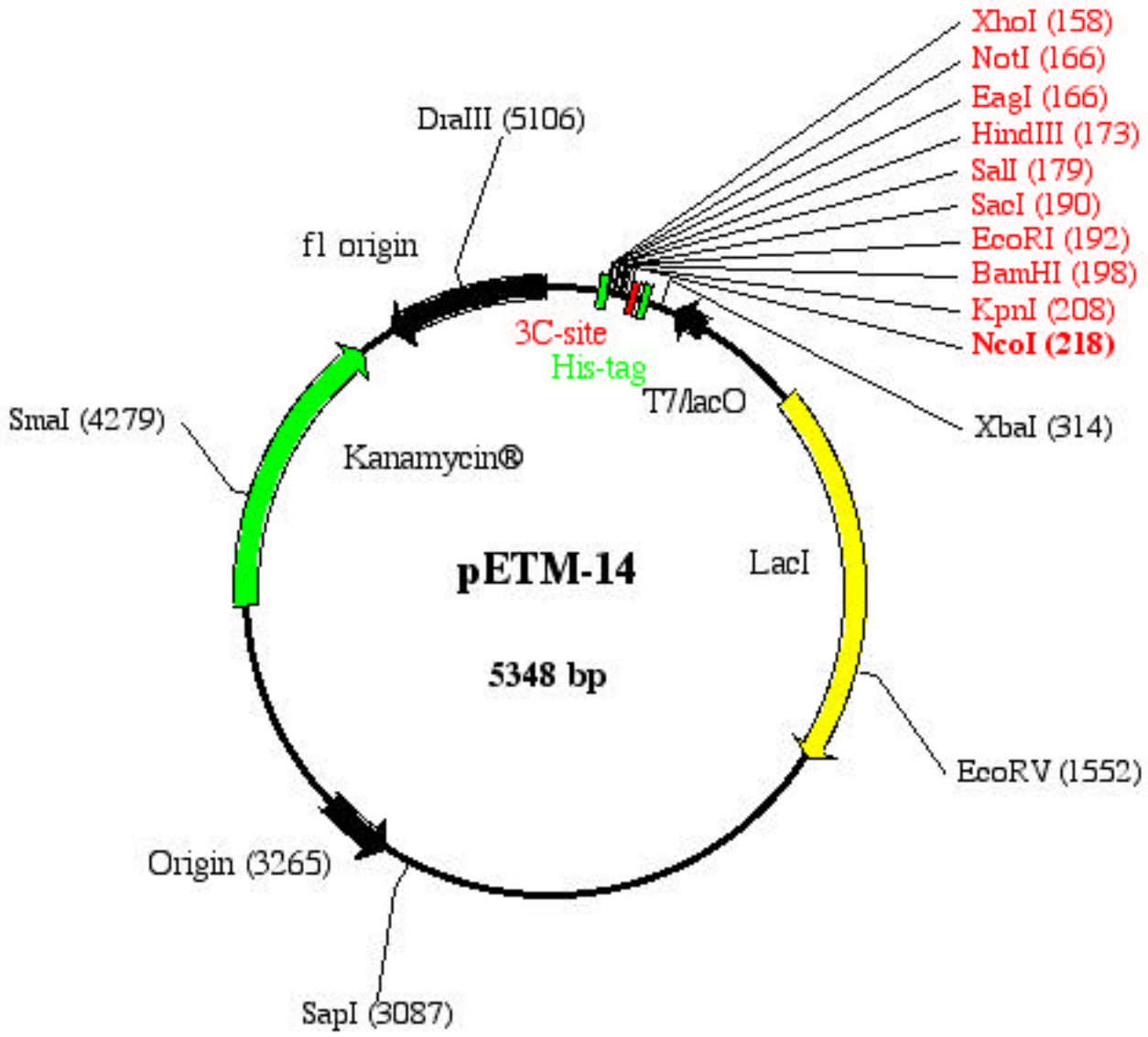
XhoI (158)
NotI (166)
EagI (166)
HindIII (173)
SalI (179)
SacI (190)
EcoRI (192)
BamHI (198)
KpnI (208)
NcoI (218)
XbaI (314)
DraIII (5106)
f1 origin
3C-site
His-tag
T7/lacO
SmaI (4279)
Kanamycin®
pETM-14
5348 bp
LacI
EcoRV (1552)
Origin (3265)
SapI (3087)

pETM-14

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      T7 promoter  -->            Lac operator     XbaI
CGAAATTAATACGACTCACTATAGGGGAATTGTGAGCGGATAACAATTCCCCTCTAGAAA
GCTTTAATTATGCTGAGTGATATCCCCTTAACACTCGCCTATTGTTAAGGGGAGATCTTT


                        rbs                 His-tag
TAATTTTGTTTAACTTTAAGAAGGAGATATACCATGAAACATCACCATCACCATCACTCC
ATTAAAACAAATTGAAATTCTTCCTCTATATGGTACTTTGTAGTGGTAGTGGTAGTGAGG
                                  METLysHisHisHisHisHisHisSer


          3C site        NcoI          KpnI  BamHI EcoRI
GCGGGTCTGGAAGTTCTGTTCCAG GGGCCCATGGACTAATGAGGTACCGGATCCGAATTC
CGCCCAGACCTTCAAGACAAGGTC CCCGGGTACCTGATTACTCCATGGCCTAGGCTTAAG
AlaGlyLeuGluValLeuPheGln|GlyProMETAsp******


                      NotI
 SacI   SalI HindIII EagI    XhoI        C-His-tag
GAGCTCCGTCGACAAGCTTGCGGCCGCACTCGAGCACCACCACCACCACCACTGAGATCC
CTCGAGGCAGCTGTTCGAACGCCGGCGTGAGCTCGTGGTGGTGGTGGTGGTGACTCTAGG
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Single Cutters Listed by Site Order

80	Bpu1102I	190	SacI	421	SgrAI	3087	SapI
80	EspI	192	EcoRI	577	SphI	3376	BsiI
158	XhoI	198	BamHI	786	ApaBI	3619	AlwNI
160	SciI	204	Asp718I	1102	MluI	3751	Eco57I
166	XmaIII	204	Acc65I	1116	BclI	4062	NruI
166	Eco52I	208	KpnI	1283	BstEII	4062	SpoI
166	NotI	218	NcoI	1513	BssHII	4096	ClaI
166	EagI	249	Mlu113I	1552	EcoRV	4277	XmaI
173	HindIII	251	SacII	1608	HpaI	4279	SmaI
179	SalI	251	SstII	2166	BglI	4405	PvuI
188	EcoICRI	314	XbaI	2184	MstI	4405	XorII
188	Ecl136II	380	BglII	2948	Tth111I	5106	DraIII
190	SstI						

Non Cutting Enzymes

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