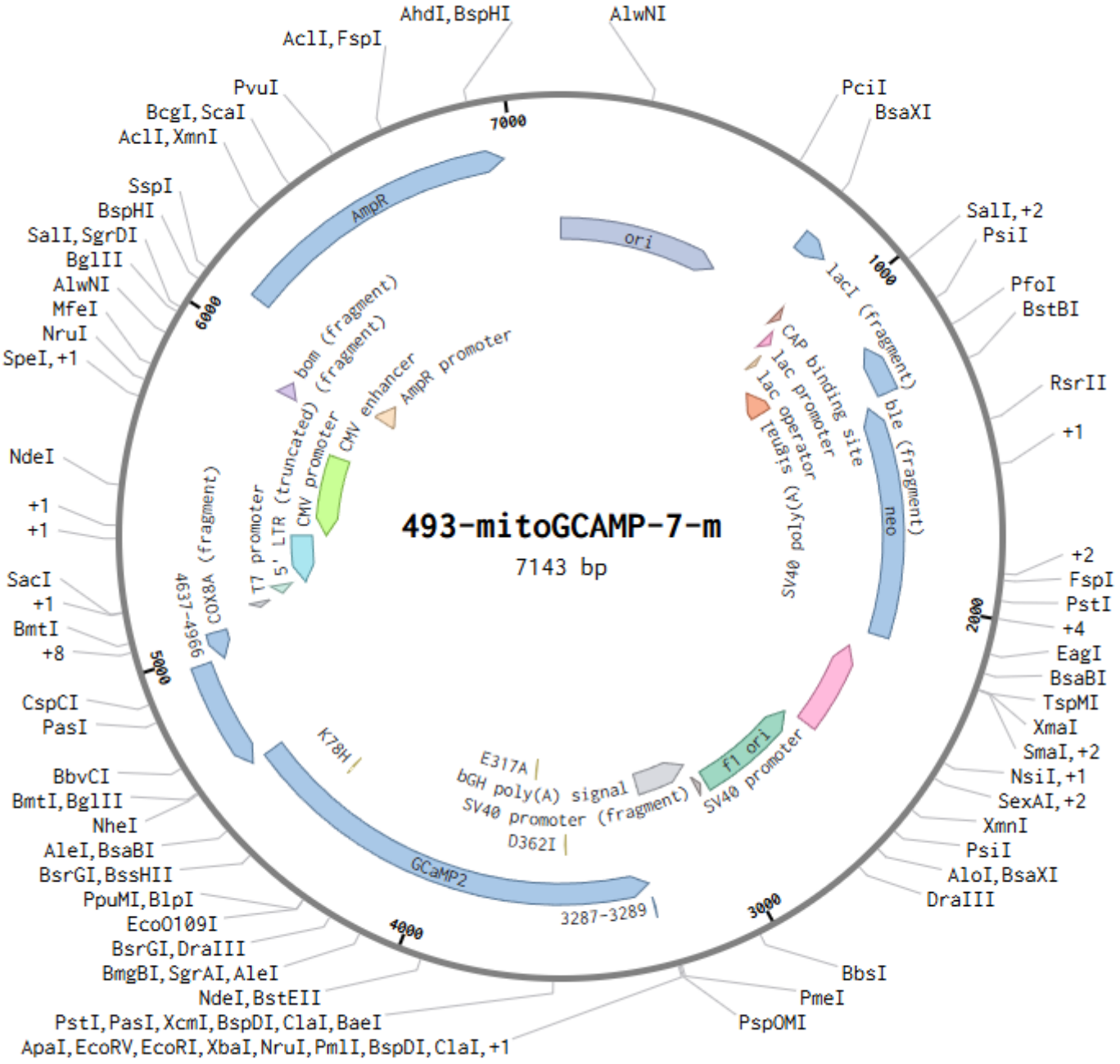
493-mitoGCAMP-7-m
7143 bp
AhdI,BspHI
AlwNI
AclI,FspI
PvuI
BcgI,ScaI
AclI,XmnI
PciI
BsaXI
SspI
BspHI
SalI,SgrDI
BglII
AlwNI
MfeI
NruI
SpeI,+1
SalI,+2
PsiI
PfoI
BstBI
RsrII
+1
NdeI
+1
+1
SacI
+1
BmtI
+8
+2
FspI
PstI
+4
EagI
BsaBI
TspMI
XmaI
SmaI,+2
NsiI,+1
SexAI,+2
XmnI
PsiI
AloI,BsaXI
DraIII
CspCI
PasI
BbvCI
BmtI,BglII
NheI
AleI,BsaBI
BsrGI,BssHII
PpuMI,BlpI
EcoO109I
BsrGI,DraIII
BmgBI,SgrAI,AleI
NdeI,BstEII
PstI,PasI,XcmI,BspDI,ClaI,BaeI
ApaI,EcoRV,EcoRI,XbaI,NruI,PmlI,BspDI,ClaI,+1
BbsI
PmeI
PspOMI
1000
2000
3000
4000
5000
6000
7000
AmpR
ori
laci (fragment)
ble (fragment)
neo
CAP binding site
lac promoter
lac operator
tetR/S (V)
SV40 poly(A)
f1 ori
SV40 promoter
E317A
bGH poly(A) signal
SV40 promoter (fragment)
D362I
GCaMP2
3287-3289
K78H
cox8A (fragment)
4637-4966
T7 promoter
5' LTR (truncated)
CMV promoter
CMV enhancer
AmpR promoter
bom (fragment)
(fragment)