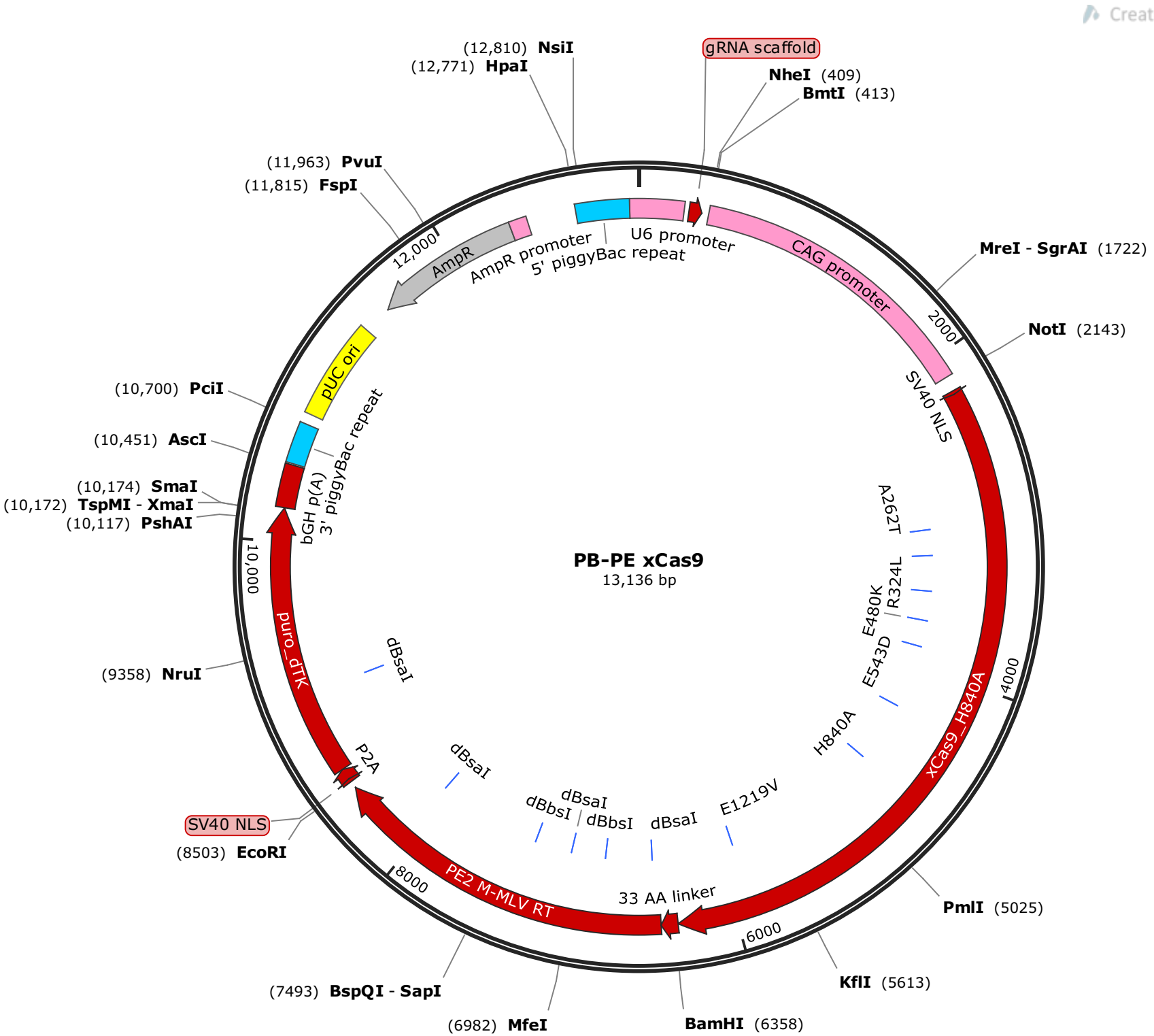
Created with SnapGene®
PB-PE xCas9
13,136 bp
gRNA scaffold
NheI (409)
BmtI (413)
MreI - SgrAI (1722)
NotI (2143)
PmlI (5025)
KflI (5613)
BamHI (6358)
(6982) MfeI
(7493) BspQI - SapI
(8503) EcoRI
SV40 NLS
(9358) NruI
(10,117) PshAI
(10,172) TspMI - XmaI
(10,174) SmaI
(10,451) AscI
(10,700) PciI
(11,815) FspI
(11,963) PvuI
(12,771) HpaI
(12,810) NsiI
U6 promoter
CAG promoter
AmpR promoter
5' piggyBac repeat
AmpR
pUC ori
3' piggyBac repeat
bGH p(A)
puro_dTK
P2A
PE2 M-MLV RT
33 AA linker
XCas9_H840A
SV40 NLS
A262T
R324L
E480K
E543D
H840A
E1219V
dBsaI
dBbsI
2000
4000
6000
8000
10,000
12,000