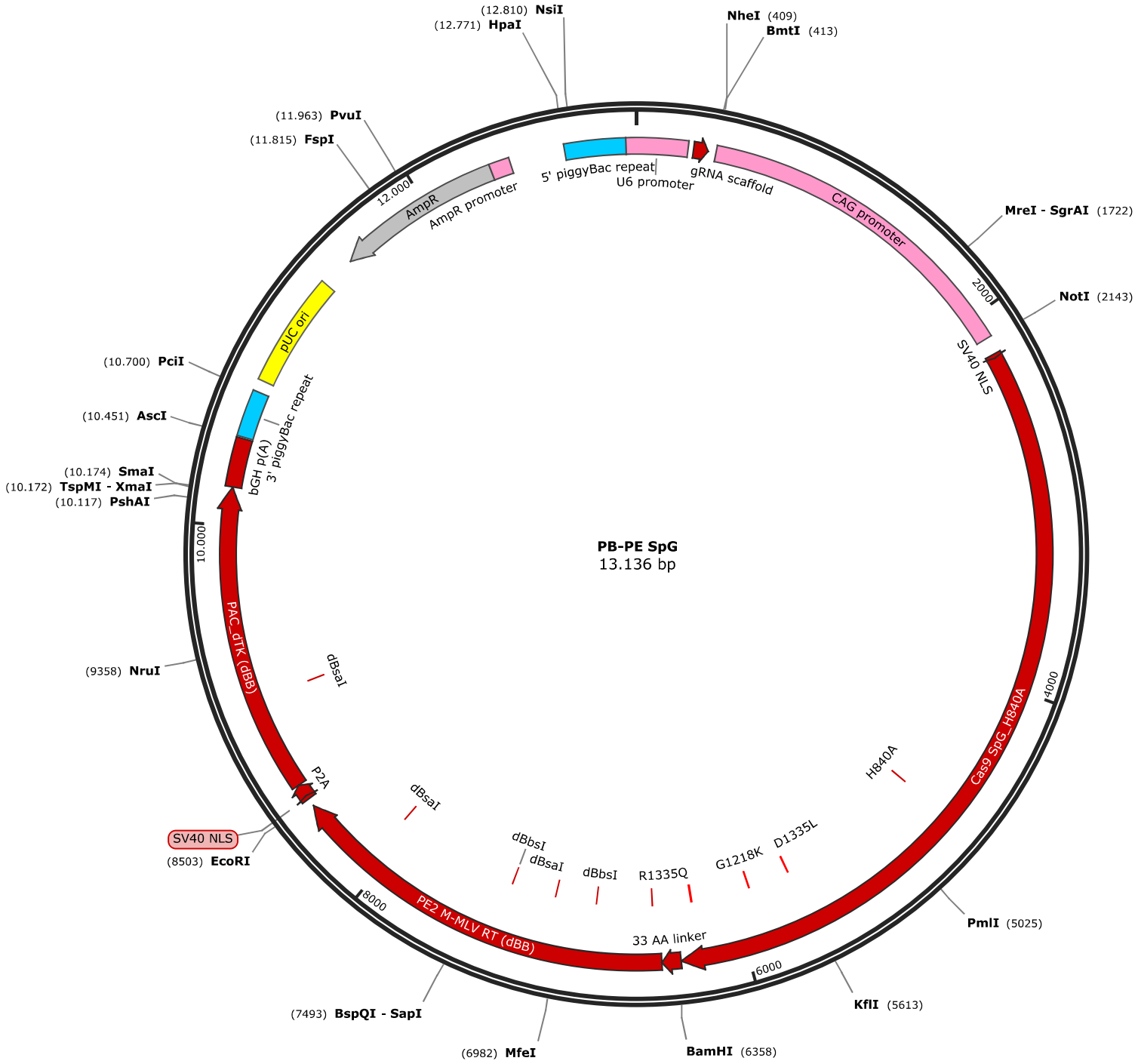
(12.810) NsiI
(12.771) HpaI
NheI (409)
BmtI (413)
(11.963) PvuI
(11.815) FspI
12.000
AmpR
AmpR promoter
5' piggyBac repeat
U6 promoter
gRNA scaffold
CAG promoter
MreI - SgrAI (1722)
2000
NotI (2143)
SV40 NLS
pUC ori
(10.700) PciI
(10.451) AscI
3' piggyBac repeat
bGH p(A)
(10.174) SmaI
(10.172) TspMI - XmaI
(10.117) PshAI
10.000
PB-PE SpG
13.136 bp
PAC_dTK (dBB)
(9358) NruI
dBsaI
4000
Cas9 SpG_H840A
H840A
P2A
dBsaI
SV40 NLS
(8503) EcoRI
dBbsI
dBsaI
dBbsI
R1335Q
G1218K
D1335L
8000
PE2 M-MLV RT (dBB)
33 AA linker
PmlI (5025)
6000
KflI (5613)
(7493) BspQI - SapI
(6982) MfeI
BamHI (6358)