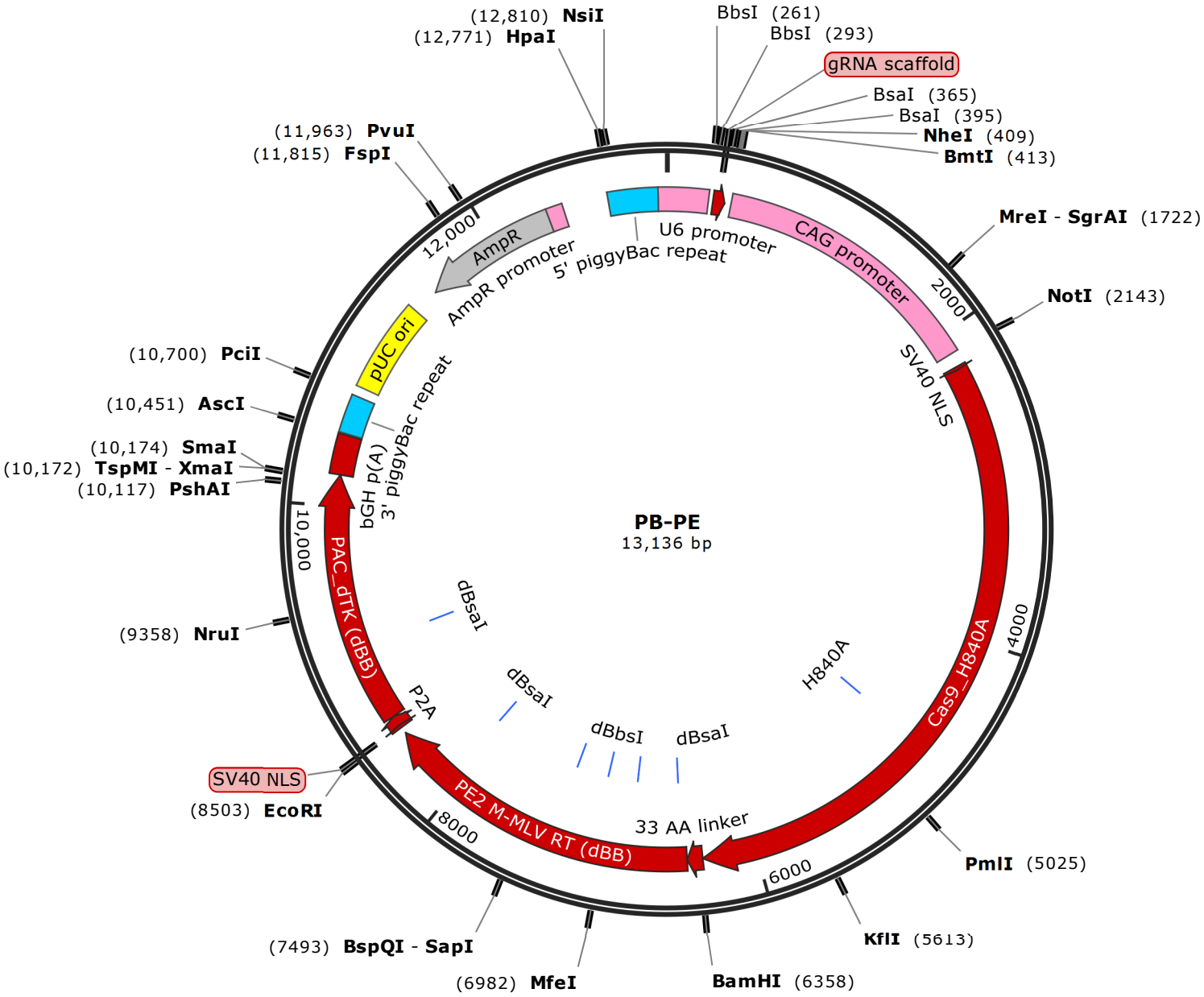
(12,810) NsiI
(12,771) HpaI
BbsI (261)
BbsI (293)
gRNA scaffold
BsaI (365)
BsaI (395)
NheI (409)
BmtI (413)
(11,963) PvuI
(11,815) FspI
MreI - SgrAI (1722)
NotI (2143)
12,000
AmpR
AmpR promoter
5' piggyBac repeat
U6 promoter
CAG promoter
2000
(10,700) PciI
pUC ori
SV40 NLS
(10,451) AscI
(10,174) SmaI
(10,172) TspMI - XmaI
(10,117) PshAI
bGH p(A)
3' piggyBac repeat
PB-PE
13,136 bp
10,000
PAC_dTK (dBB)
dBsaI
(9358) NruI
dBsaI
H840A
4000
Cas9_H840A
P2A
dBbsI
dBsaI
SV40 NLS
(8503) EcoRI
PE2 M-MLV RT (dBB)
33 AA linker
8000
6000
PmlI (5025)
KflI (5613)
(7493) BspQI - SapI
(6982) MfeI
BamHI (6358)