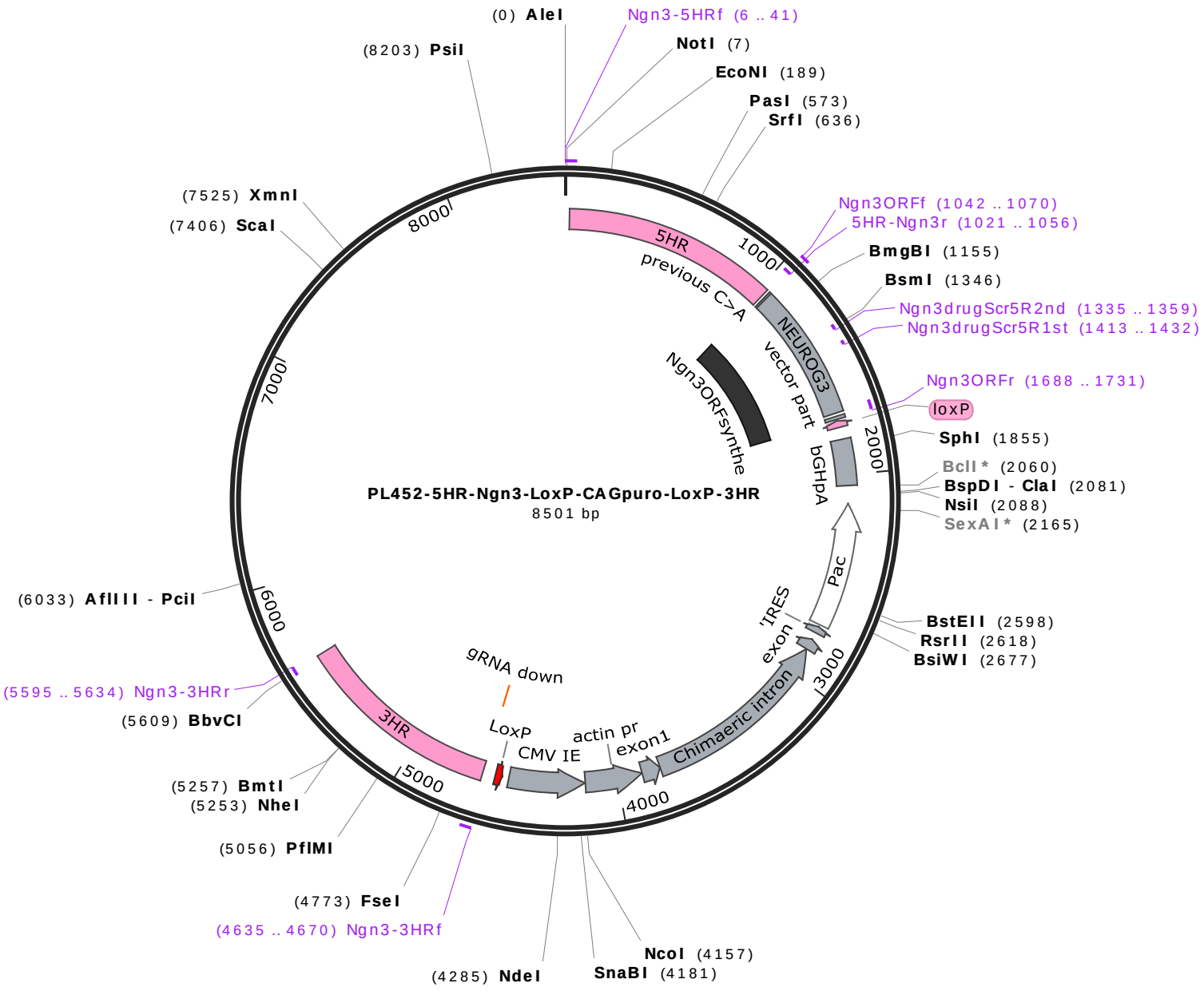
(0) AleI
Ngn3-5HRf (6 .. 41)
NotI (7)
EcoNI (189)
PasI (573)
SrfI (636)
(8203) PsiI
(7525) XmnI
(7406) ScaI
Ngn3ORFf (1042 .. 1070)
5HR-Ngn3r (1021 .. 1056)
BmgBI (1155)
BsmI (1346)
Ngn3drugScr5R2nd (1335 .. 1359)
Ngn3drugScr5R1st (1413 .. 1432)
Ngn3ORFr (1688 .. 1731)
loxP
SphI (1855)
BclI* (2060)
BspDI - ClaI (2081)
NsiI (2088)
SexAI* (2165)
BstEII (2598)
RsrII (2618)
BsiWI (2677)
(6033) AflIII - PciI
(5595 .. 5634) Ngn3-3HRr
(5609) BbvCI
(5257) BmtI
(5253) NheI
(5056) PflMI
(4773) FseI
(4635 .. 4670) Ngn3-3HRf
(4285) NdeI
SnaBI (4181)
NcoI (4157)
5HR
previous C>A
NEUROG3
vector part
Ngn3ORFsynthe
bGHpA
Pac
IRES
exon
Chimaeric intron
exon1
actin pr
CMV IE
LoxP
gRNA down
3HR
1000
2000
3000
4000
5000
6000
7000
8000
PL452-5HR-Ngn3-LoxP-CAGpuro-LoxP-3HR
8501 bp