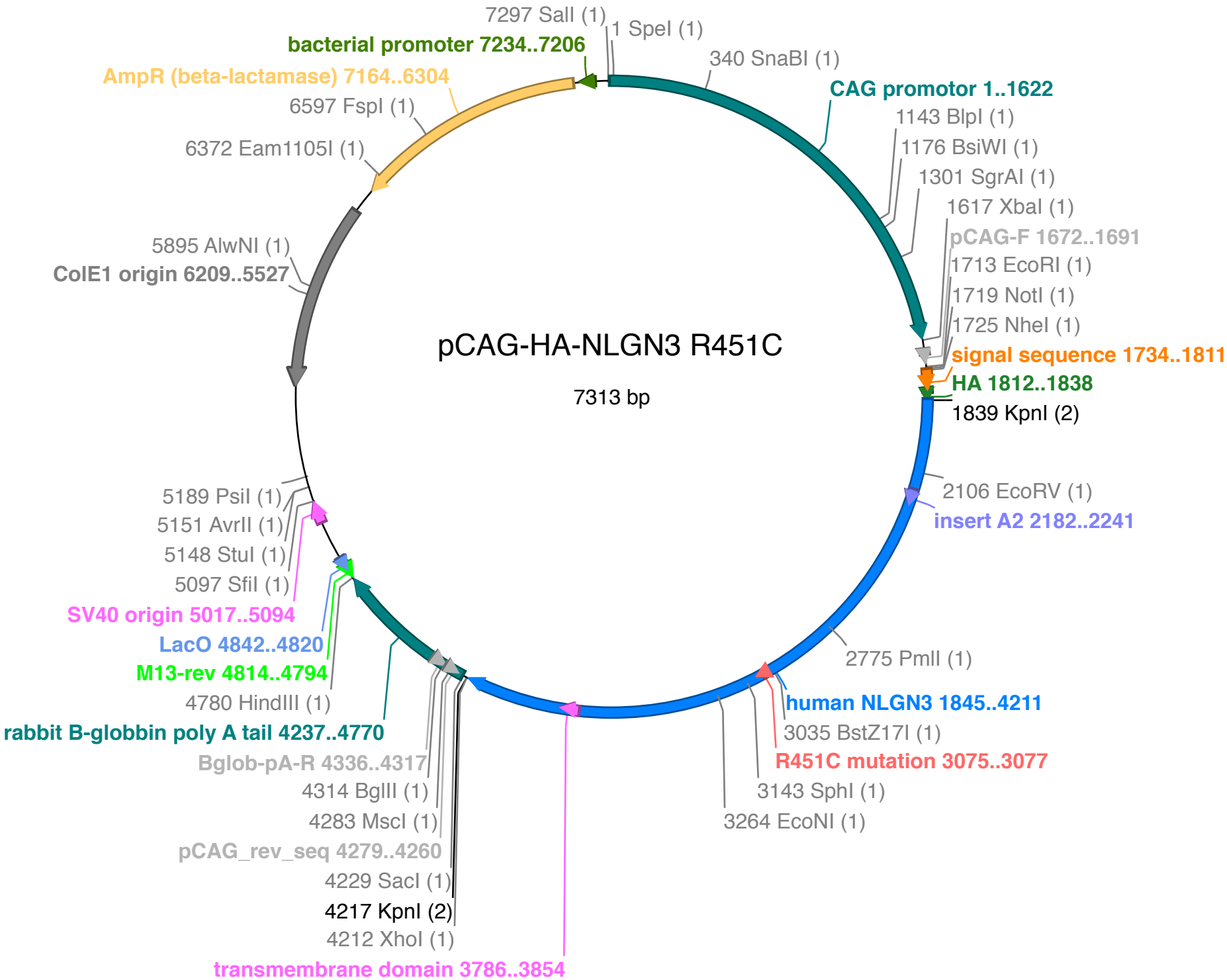
pCAG-HA-NLGN3 R451C
7313 bp
7297 SalI (1)
1 SpeI (1)
340 SnaBI (1)
CAG promotor 1..1622
1143 BlpI (1)
1176 BsiWI (1)
1301 SgrAI (1)
1617 XbaI (1)
pCAG-F 1672..1691
1713 EcoRI (1)
1719 NotI (1)
1725 NheI (1)
signal sequence 1734..1811
HA 1812..1838
1839 KpnI (2)
2106 EcoRV (1)
insert A2 2182..2241
2775 PmlI (1)
human NLGN3 1845..4211
3035 BstZ17I (1)
R451C mutation 3075..3077
3143 SphI (1)
3264 EcoNI (1)
transmembrane domain 3786..3854
4212 XhoI (1)
4217 KpnI (2)
4229 SacI (1)
pCAG_rev_seq 4279..4260
4283 MscI (1)
4314 BglII (1)
Bglob-pA-R 4336..4317
rabbit B-globbin poly A tail 4237..4770
4780 HindIII (1)
M13-rev 4814..4794
LacO 4842..4820
SV40 origin 5017..5094
5097 SfiI (1)
5148 StuI (1)
5151 AvrII (1)
5189 PsiI (1)
ColE1 origin 6209..5527
5895 AlwNI (1)
6372 Eam1105I (1)
6597 FspI (1)
AmpR (beta-lactamase) 7164..6304
bacterial promoter 7234..7206