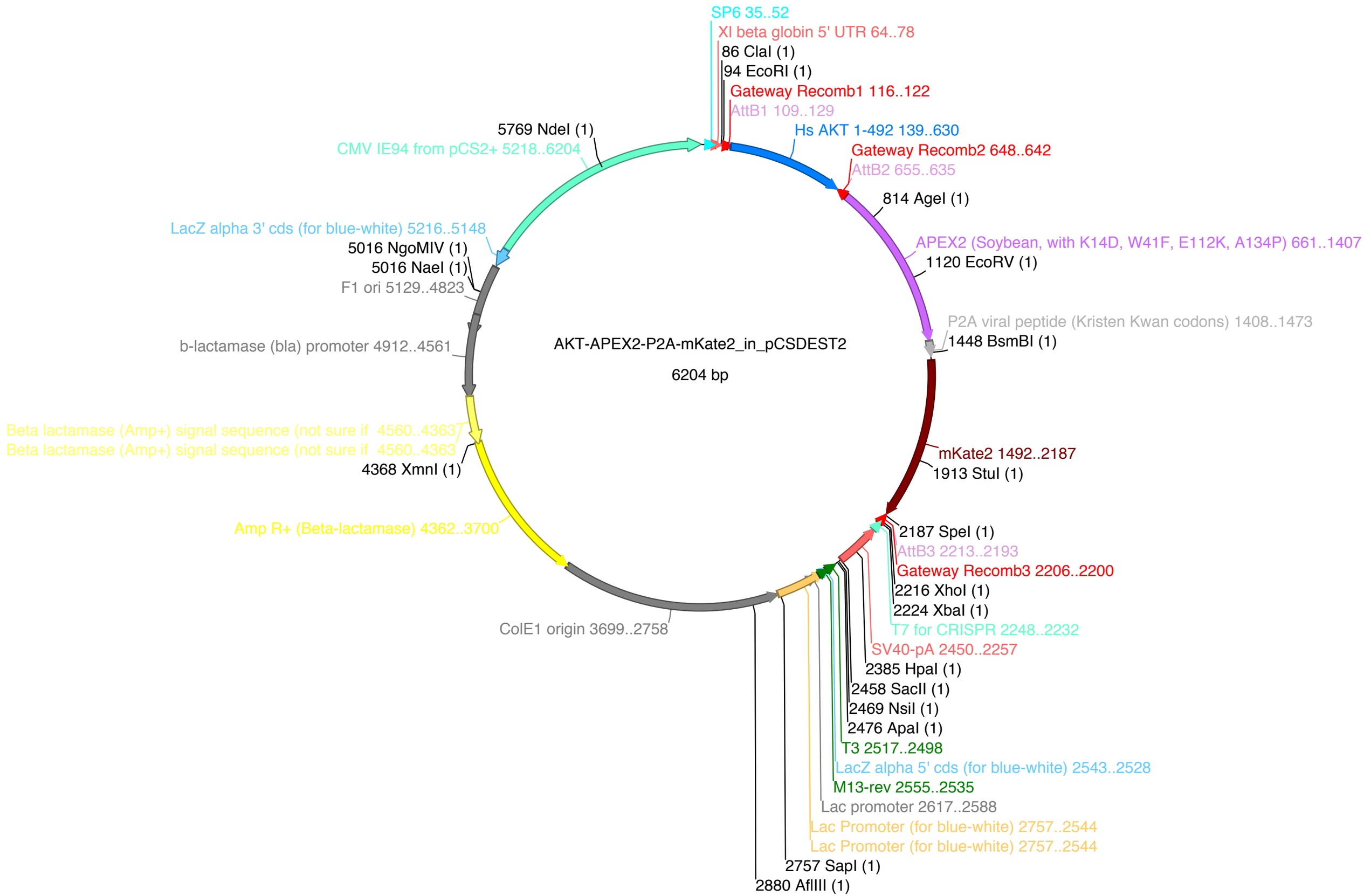
AKT-APEX2-P2A-mKate2_in_pCSDEST2
6204 bp
SP6 35..52
Xl beta globin 5' UTR 64..78
86 ClaI (1)
94 EcoRI (1)
Gateway Recomb1 116..122
AttB1 109..129
Hs AKT 1-492 139..630
Gateway Recomb2 648..642
AttB2 655..635
814 AgeI (1)
APEX2 (Soybean, with K14D, W41F, E112K, A134P) 661..1407
1120 EcoRV (1)
P2A viral peptide (Kristen Kwan codons) 1408..1473
1448 BsmBI (1)
mKate2 1492..2187
1913 StuI (1)
2187 SpeI (1)
AttB3 2213..2193
Gateway Recomb3 2206..2200
2216 XhoI (1)
2224 XbaI (1)
T7 for CRISPR 2248..2232
SV40-pA 2450..2257
2385 HpaI (1)
2458 SacII (1)
2469 NsiI (1)
2476 ApaI (1)
T3 2517..2498
LacZ alpha 5' cds (for blue-white) 2543..2528
M13-rev 2555..2535
Lac promoter 2617..2588
Lac Promoter (for blue-white) 2757..2544
Lac Promoter (for blue-white) 2757..2544
2757 SapI (1)
2880 AflIII (1)
ColE1 origin 3699..2758
Amp R+ (Beta-lactamase) 4362..3700
4368 XmnI (1)
Beta lactamase (Amp+) signal sequence (not sure if 4560..4363
Beta lactamase (Amp+) signal sequence (not sure if 4560..4363
b-lactamase (bla) promoter 4912..4561
F1 ori 5129..4823
5016 NaeI (1)
5016 NgoMIV (1)
LacZ alpha 3' cds (for blue-white) 5216..5148
CMV IE94 from pCS2+ 5218..6204
5769 NdeI (1)