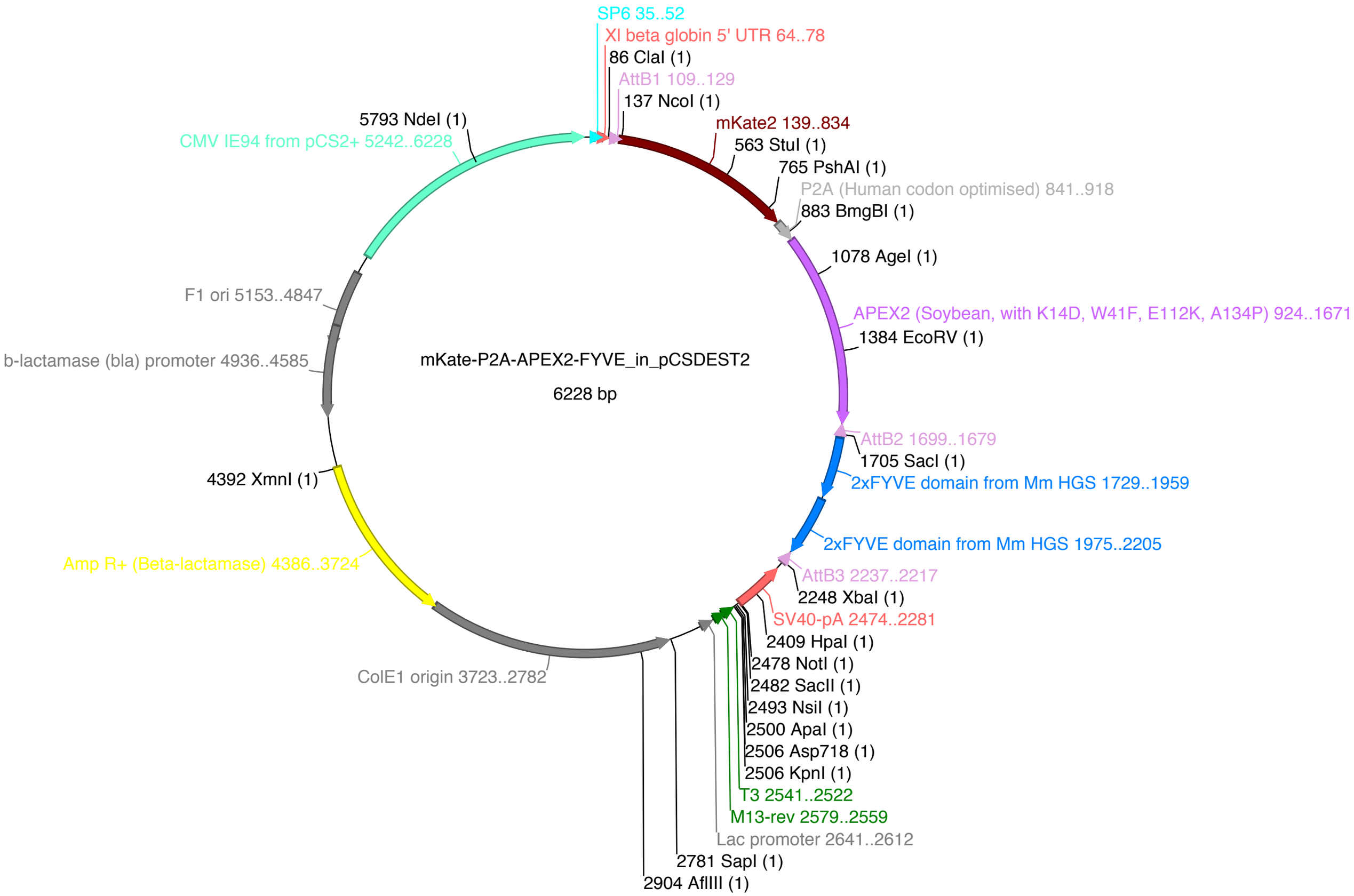
SP6 35..52
Xl beta globin 5' UTR 64..78
86 ClaI (1)
AttB1 109..129
137 NcoI (1)
mKate2 139..834
563 StuI (1)
765 PshAI (1)
P2A (Human codon optimised) 841..918
883 BmgBI (1)
1078 AgeI (1)
APEX2 (Soybean, with K14D, W41F, E112K, A134P) 924..1671
1384 EcoRV (1)
AttB2 1699..1679
1705 SacI (1)
2xFYVE domain from Mm HGS 1729..1959
2xFYVE domain from Mm HGS 1975..2205
AttB3 2237..2217
2248 XbaI (1)
SV40-pA 2474..2281
2409 HpaI (1)
2478 NotI (1)
2482 SacII (1)
2493 NsiI (1)
2500 ApaI (1)
2506 Asp718 (1)
2506 KpnI (1)
T3 2541..2522
M13-rev 2579..2559
Lac promoter 2641..2612
2781 SapI (1)
2904 AflIII (1)
ColE1 origin 3723..2782
Amp R+ (Beta-lactamase) 4386..3724
4392 XmnI (1)
b-lactamase (bla) promoter 4936..4585
F1 ori 5153..4847
5793 NdeI (1)
CMV IE94 from pCS2+ 5242..6228
mKate-P2A-APEX2-FYVE_in_pCSDEST2
6228 bp