



CERTIFICATE OF ANALYSIS

Purified AAV9-CMV-GFP (Lot 20-429)

(for research use only)

Storage Conditions

The AAV vectors should be stored at -80°C for long term usage. When storing for frequent use, 4°C is recommended. Avoid storing at -20°C. The plasmid should be stored at -20°C for long term usage.

Shelf Life

5 years when stored at -80°C. (AAV)

Shipping Conditions

Ice Pack Overnight

Description

AAV9-CMV-GFP was produced in insect Sf9 cells by infection with rBV-inCap9-inRepCap-kozak-hr2 (V289) (Fig 2) and rBV-CMV-GFP (V445) (Fig 3).

The vectors were purified through 2 rounds of CsCl ultracentrifugations. The CsCl was removed through buffer exchange with 2 PD-10 desalting columns. The final AAVs are in 1xPBS+0.001% pluronic F-68 buffer.

The vectors are for research use only, not for any human use.

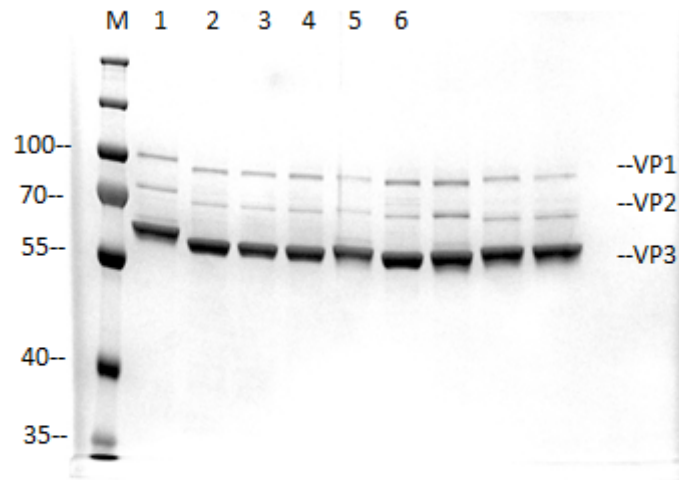
qPCR Titer

Lot 20-429: 2E+13 vg/ mL (final diluted)



Quality Control Data

The vectors were sterilized with 0.22 μ m filter. SDS-PAGE and InstantBlue Staining (Expedeon) verified the purity of the vectors (Fig. 1). Real-time PCR analysis determined the titers of the AAV samples.



Lane M: Protein Ladder
Lane 1: AAV8 control, 1e11 vg loaded
Lane 6: 20-429, 1e11 vg loaded
Other lanes are unrelated samples

Fig. 1. SDS-PAGE and InstantBlue Staining of purified AAV9-CMV-GFP (Lot: 20-429).



Plasmids map

Created with SnapGene®

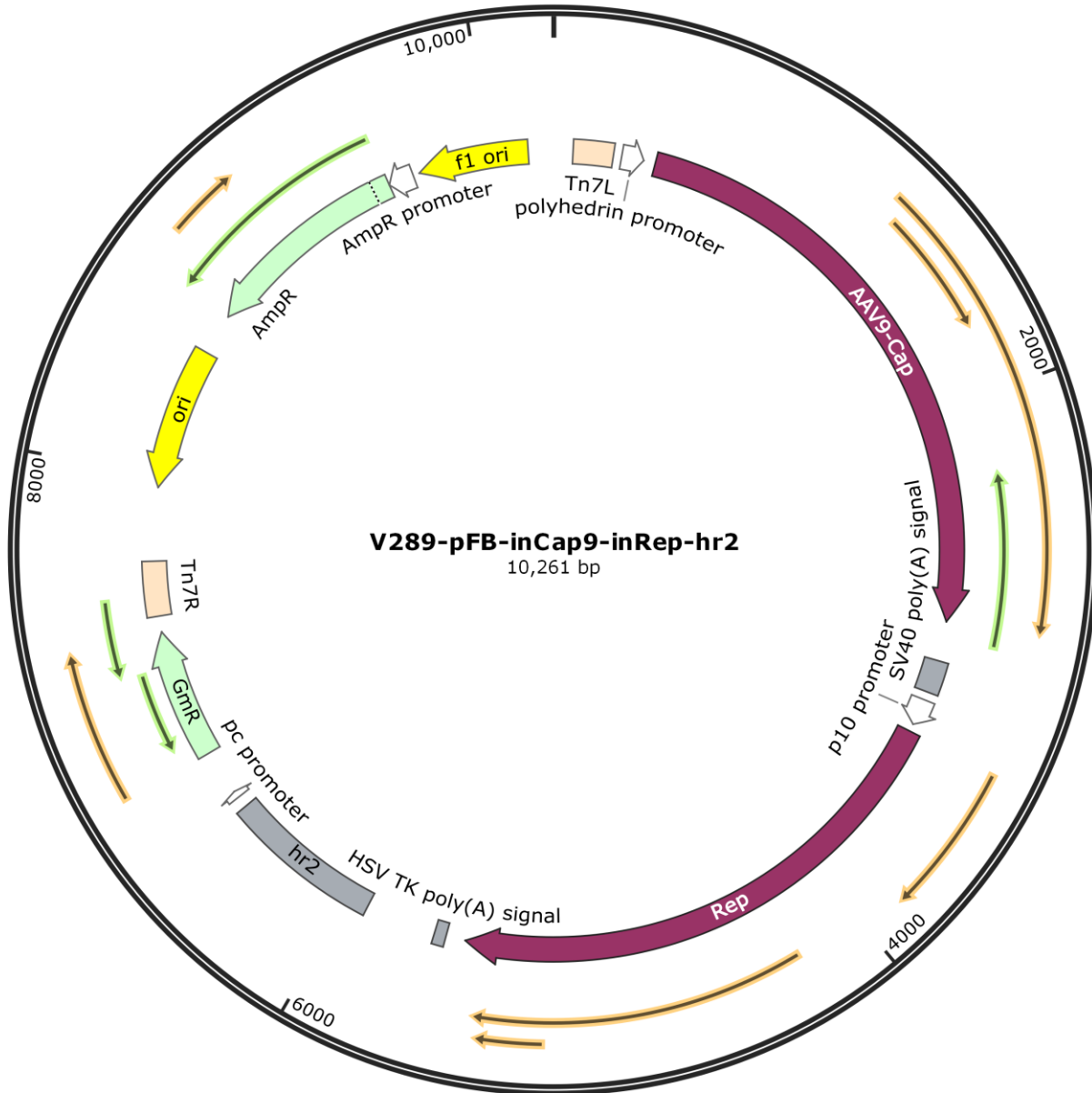


Fig. 2. Diagram of plasmid used to generate rBV- inCap9-inRepCap-kozak-hr2 (V289).

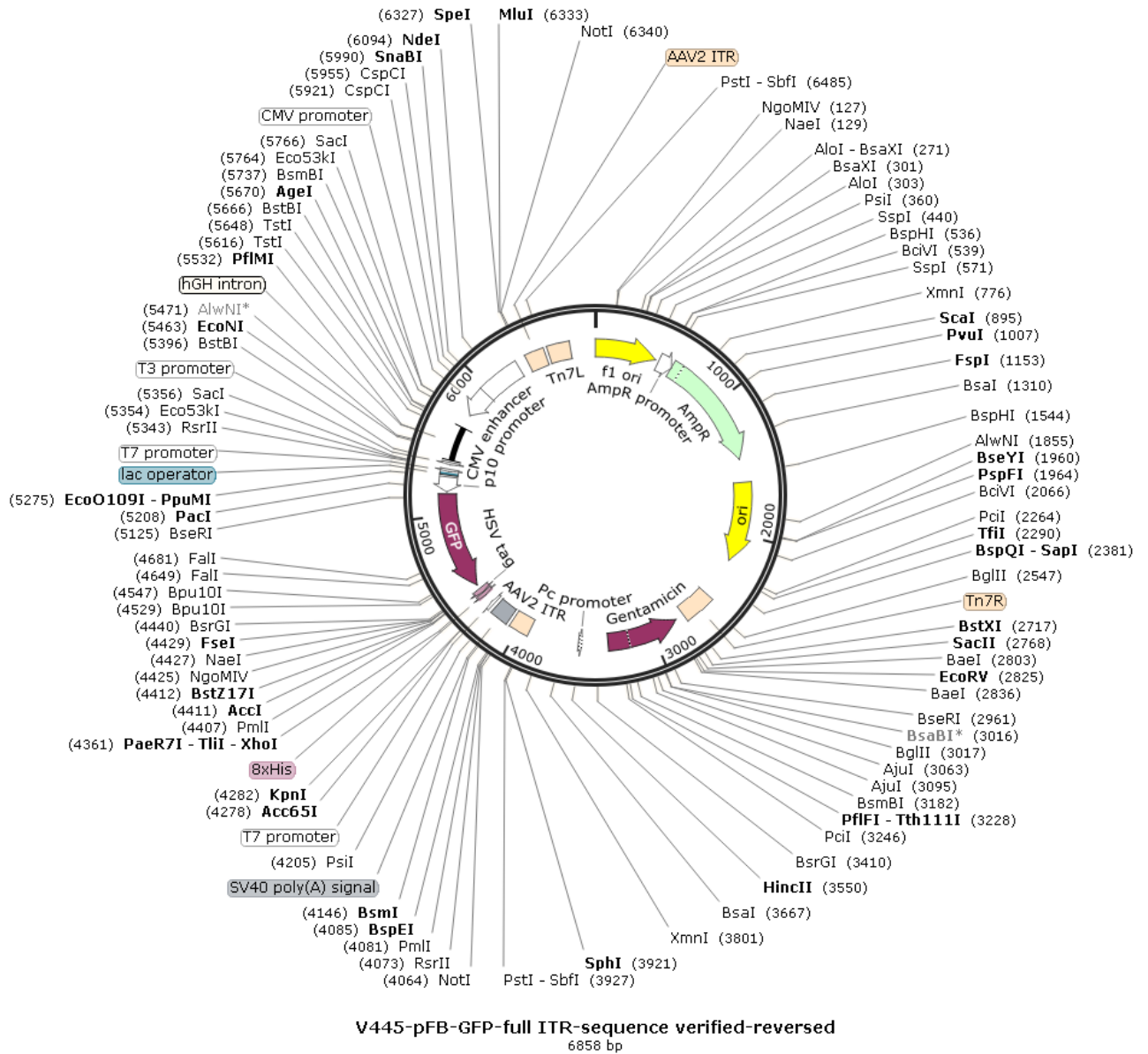


Fig. 3. Diagram of plasmid used to generate rBV- CMV-GFP (V445).

Approved by:  Monday, August 16, 2021