



## **CERTIFICATE OF ANALYSIS**

### **Purified AAV9-hSyn-mCherry (Lot 19-211)**

(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.

#### **Shelf Life**

4 years when stored at -80°C. (AAV)

#### **Shipping Conditions**

Ice packs overnight

#### **Description**

AAV9-hSyn-mCherry was produced in insect Sf9 cells by dual infection with rBV-inCap9-inRepCap-kozak-hr2 (V289) (Fig 2) and rBV-hSyn-mCherry (V270) (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 exchanged to 1 x PBS + 0.001% pluronic F-68 buffer.

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

#### **QPCR Titer**

Lot 19-211: 2E+13 vg/ mL (final diluted)



### Quality Control Data

The vectors were sterilized with 0.22 $\mu$ 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.

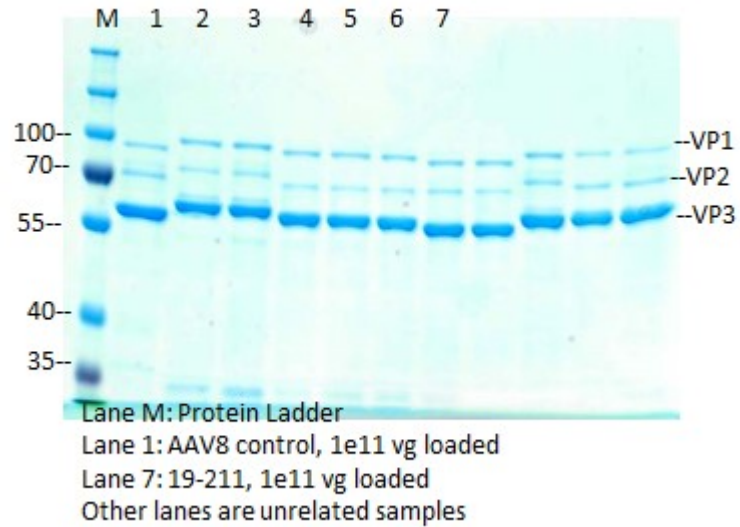


Fig. 1. SDS-PAGE and InstantBlue Staining of purified AAV9-hSyn-mCherry (Lot: 19-211).



Plasmids map

Created with SnapGene®

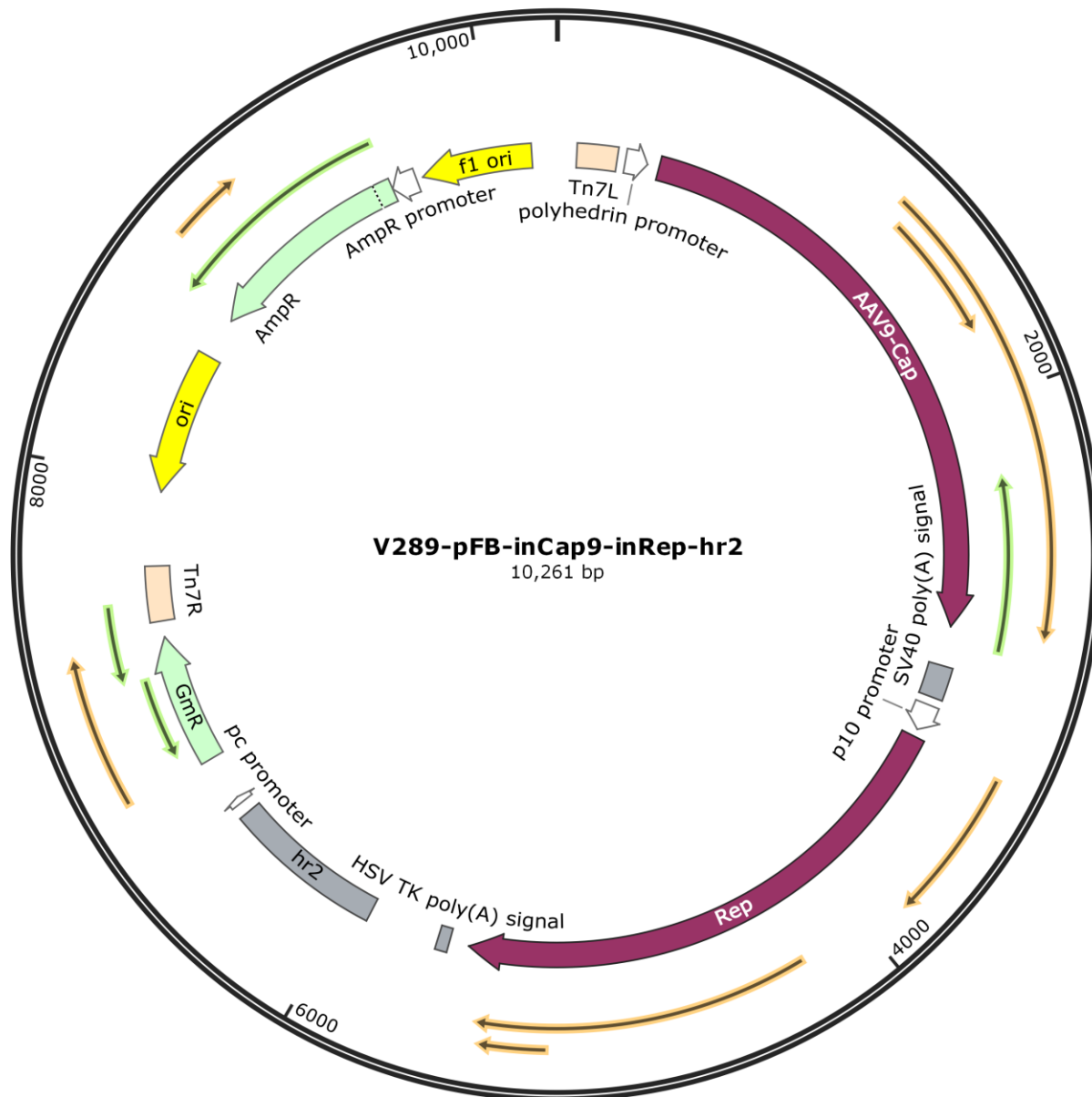


Fig. 2. Diagram of plasmid used to generate rBV- inCap9-inRepCap-kozak-hr2 (V289).

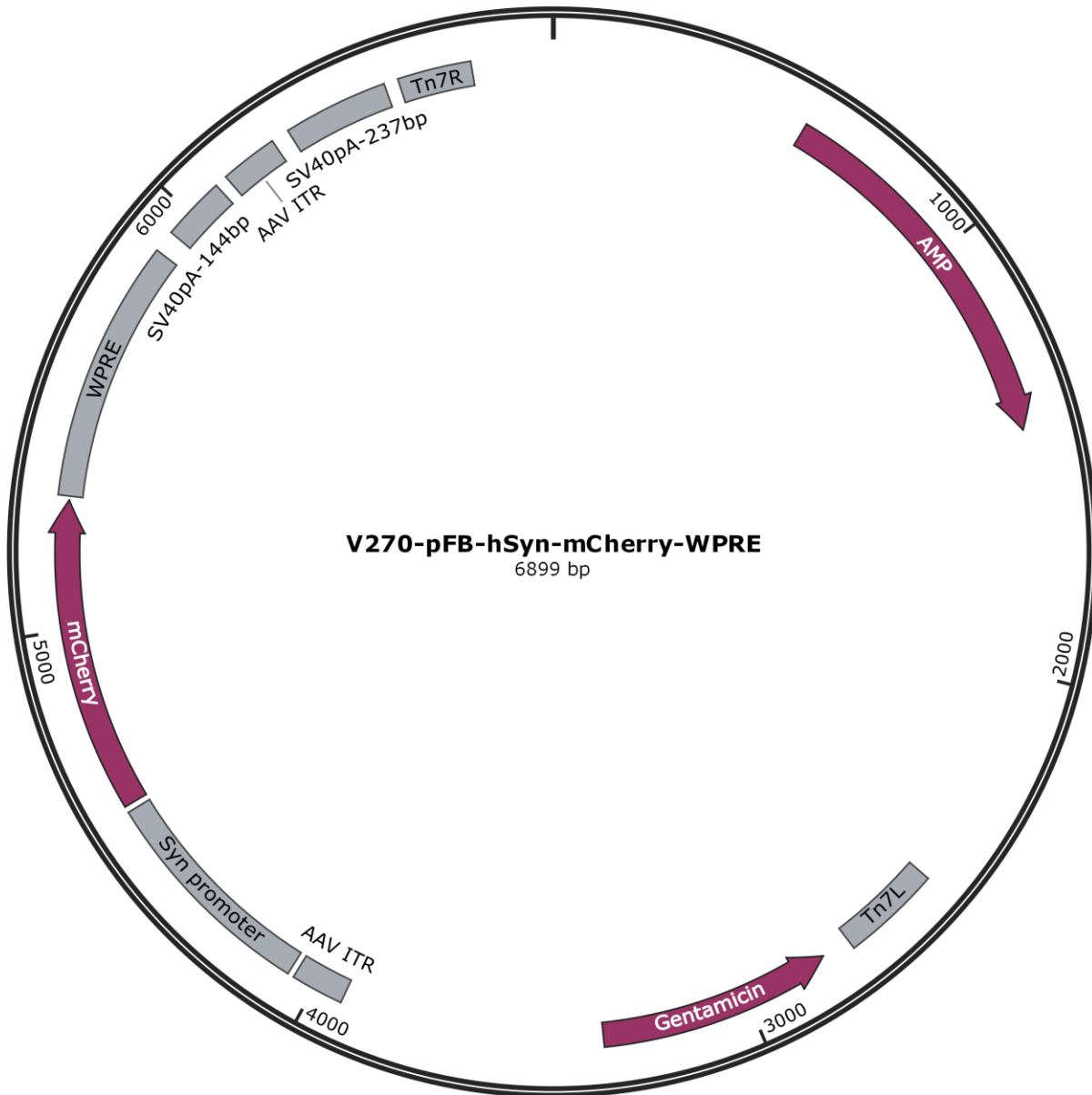



Fig. 3. Diagram of plasmid used to generate rBV- hSyn-mCherry (V270).

Approved by: 

Friday, October 22, 2021