VIROVEK

CERTIFICATE OF ANALYSIS

Purified AAV9-ATXN2 shRNA16_2 copies (Lot #23-003) &
AAV9-ATXN2 shRNA16_3 copies (Lot #23-002)

(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

5 years when stored at -80°C.

Shipping Conditions

Dry ice

Description

AAV9-ATXN2 shRNA16_3 copies only & AAV9-ATXN2 shRNA16_2 copies only were produced in insect Sf9 cells by co-infections with dual baculoviruses rBV-V289-inCap9-inRepCap-hr2 (Fig. 2) and either rBV-PRVT126 (Fig. 3) or rBV-PRVT125 (Fig. 4) respectively. 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.

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

QPCR Titer

2E+13 vg/mL
The titers of AAV9-ATXN2 shRNA16_2 copies (Lot# 23-003) & AAV9-ATXN2 shRNA16_3 copies were determined with QPCR method using primers/probe corresponding to the AAV ITR.

Quality Control Data

The AAV vector was formulated in 1xPBS buffer pH7.4, containing 0.001% pluronic F-68, and sterilized with 0.22µm low protein-binding filter. SDS-PAGE and SimplyBlue Staining (Invitrogen) verified the purity of the vectors (Fig. 1). QPCR analysis determines the titers of the AAV samples.

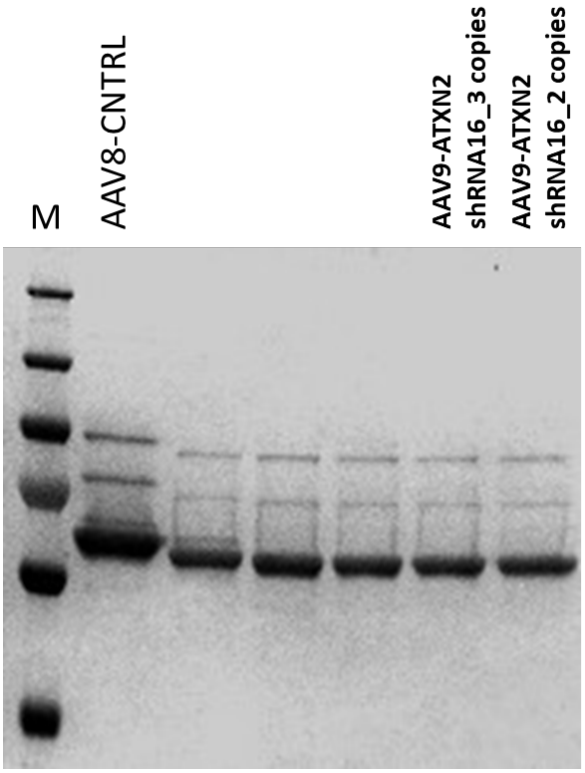

Fig. 1. SDS-PAGE and InstantBlue Staining of purified (Lane 1, AAV8-Contrl; lane 5, Lot#23-002; lane 6, Lot# 23-003)

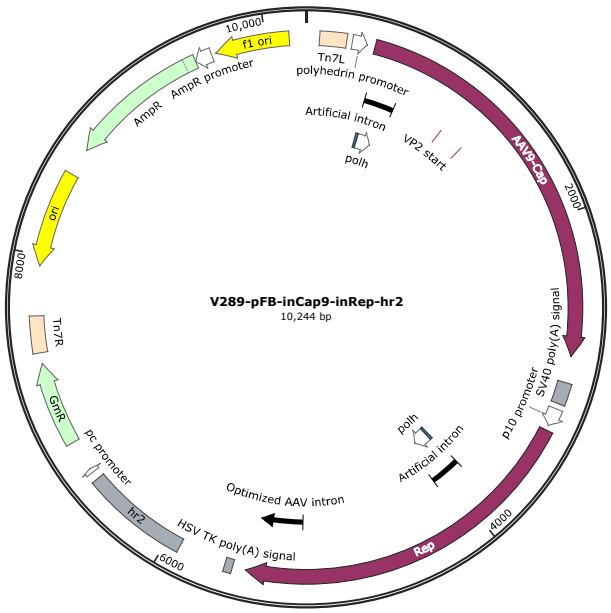

Fig. 2. Diagram of plasmid used to generate rBV-V289 inCap9-inRepCap-hr2

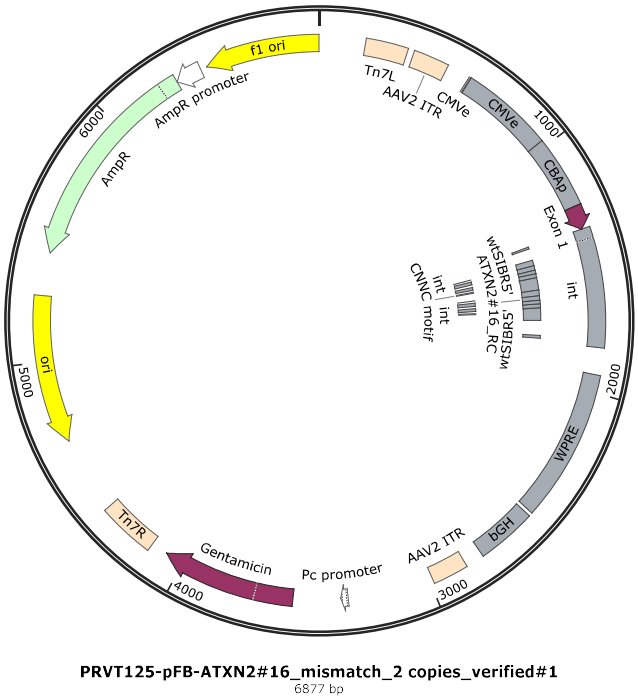

Fig. 3. Diagram of plasmid used to generate rBV-PRVT125-pFB.

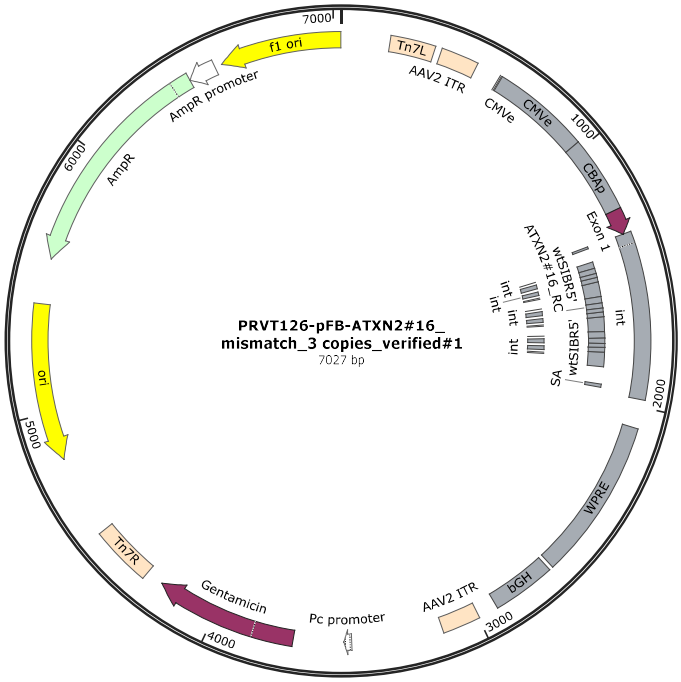

Fig. 4. Diagram of plasmid used to generate rBV-PRVT126-pFB.

Approved by: *Santanu Raychaudhuri* Date: January 25, 2023