



Figure S1

Detimental effects on astrocytes in culture caused by AVV.

Signs of deterioration caused by toxic titres of different AVV were evident in bright field as soon as 24 hours after the transduction of astrocytes.

A: AVV-sGFAP-ChR2-Venus (24h; 4×10^8 TU/ml). **B:** AVV-sGFAP-ChR2(H134R)-Katushka1.3 (24h; 1×10^9 TU/ml). **C:** AVV-sGFAP-ChR2(H134R)-mKate (24h; 4×10^8 TU/ml). **D:** AVV-sGFAP-CatCh-EYFP (24h; 5.6×10^8 TU/ml). **E:** AVV-sGFAP-opto β 2AR (24h; 1.9×10^{10} TU/ml). **F:** AVV-sGFAP-opto α 1AR (24h; 2.6×10^{10} TU/ml). **G:** AVV-sGFAP-EGFP (24h; 4.8×10^8 TU/ml). **H:** AVV-sGFAP-EGFP (healthy astrocytes; 24h; 4.8×10^7 TU/ml).