



Figure S3. Sample analysis by dynamic light scattering (DLS) method. Particle size distribution plots of the AAV samples in relation to particle intensity and concentration. **(a)** – AAV5-GFP, **(b)** – AAV8-GFP, **(c)** – AAV9-GFP, **(d)** – AAV2.7m8-GFP. The obtained results indicate the presence of AAV particles with a hydrodynamic diameter of 29,6 nm, 28.3 nm, 28.8 nm and 26.6 nm in the samples at a concentration of $2,5 \times 10^{13}$, $3,21 \times 10^{13}$, $5,01 \times 10^{13}$ and $8,4 \times 10^{11}$ for AAV5-GFP, AAV8-GFP, AAV9-GFP and AAV2.7m8-GFP, respectively. The average volume fraction of particles is 99.99%.