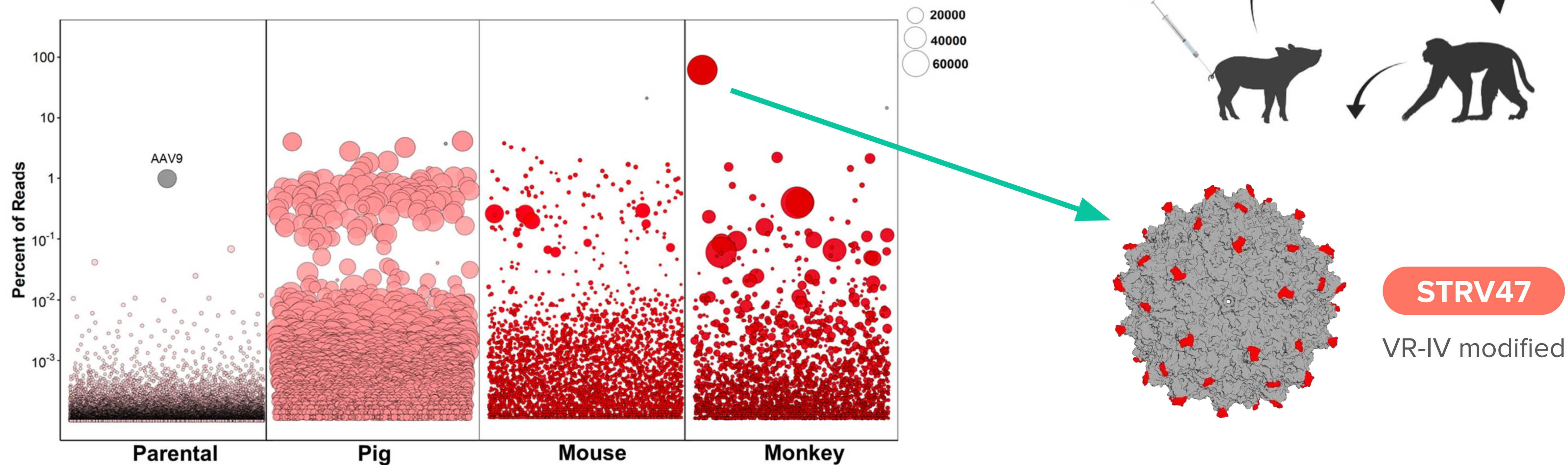


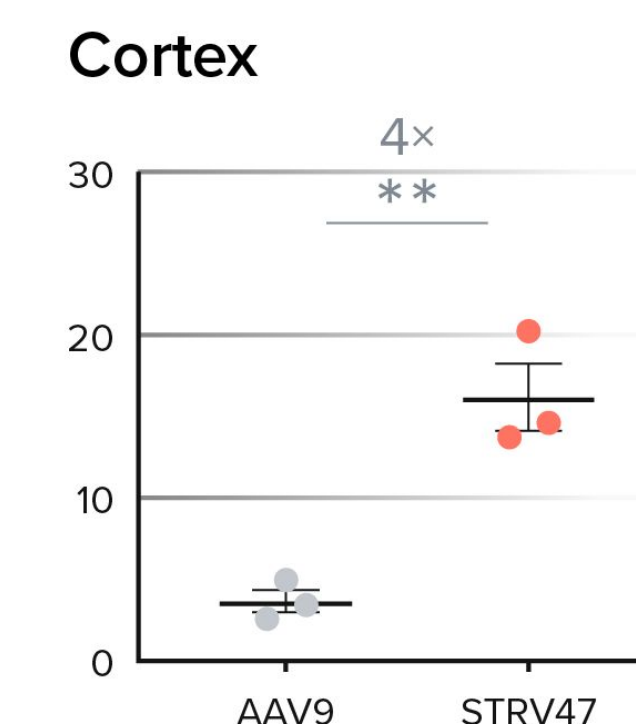
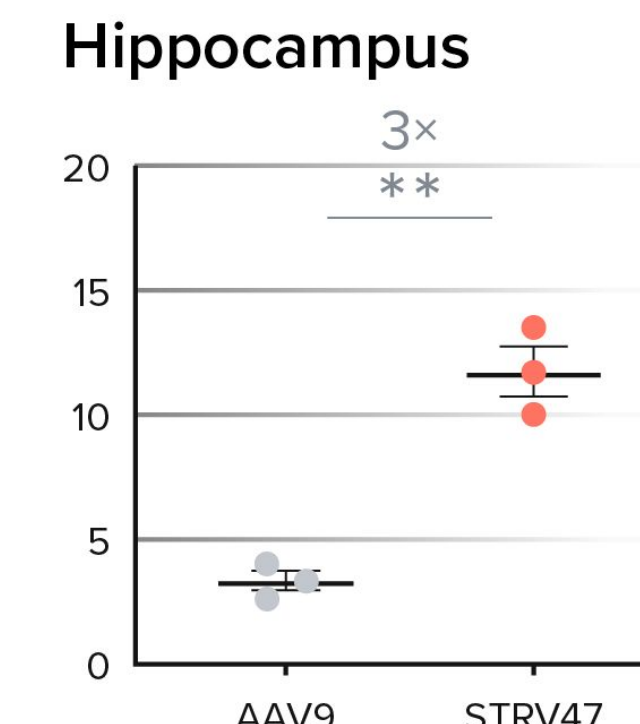
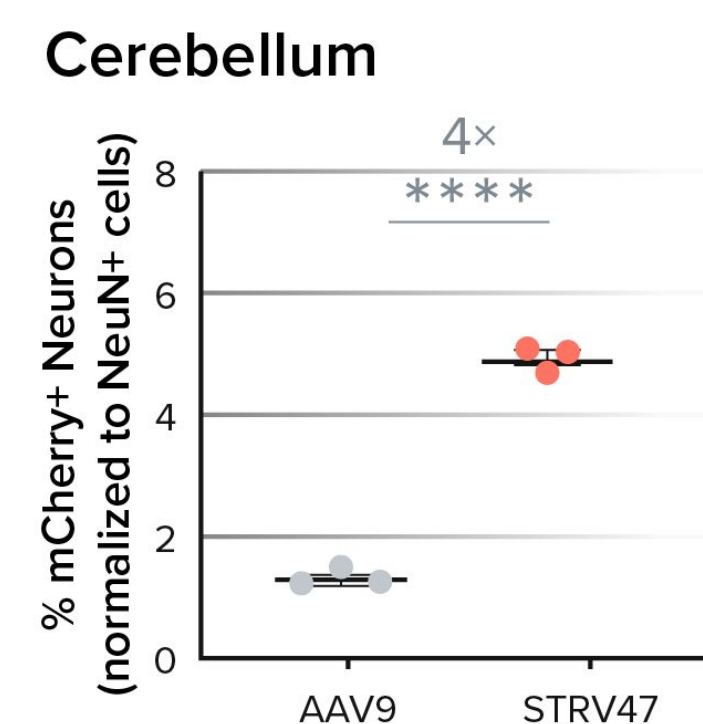
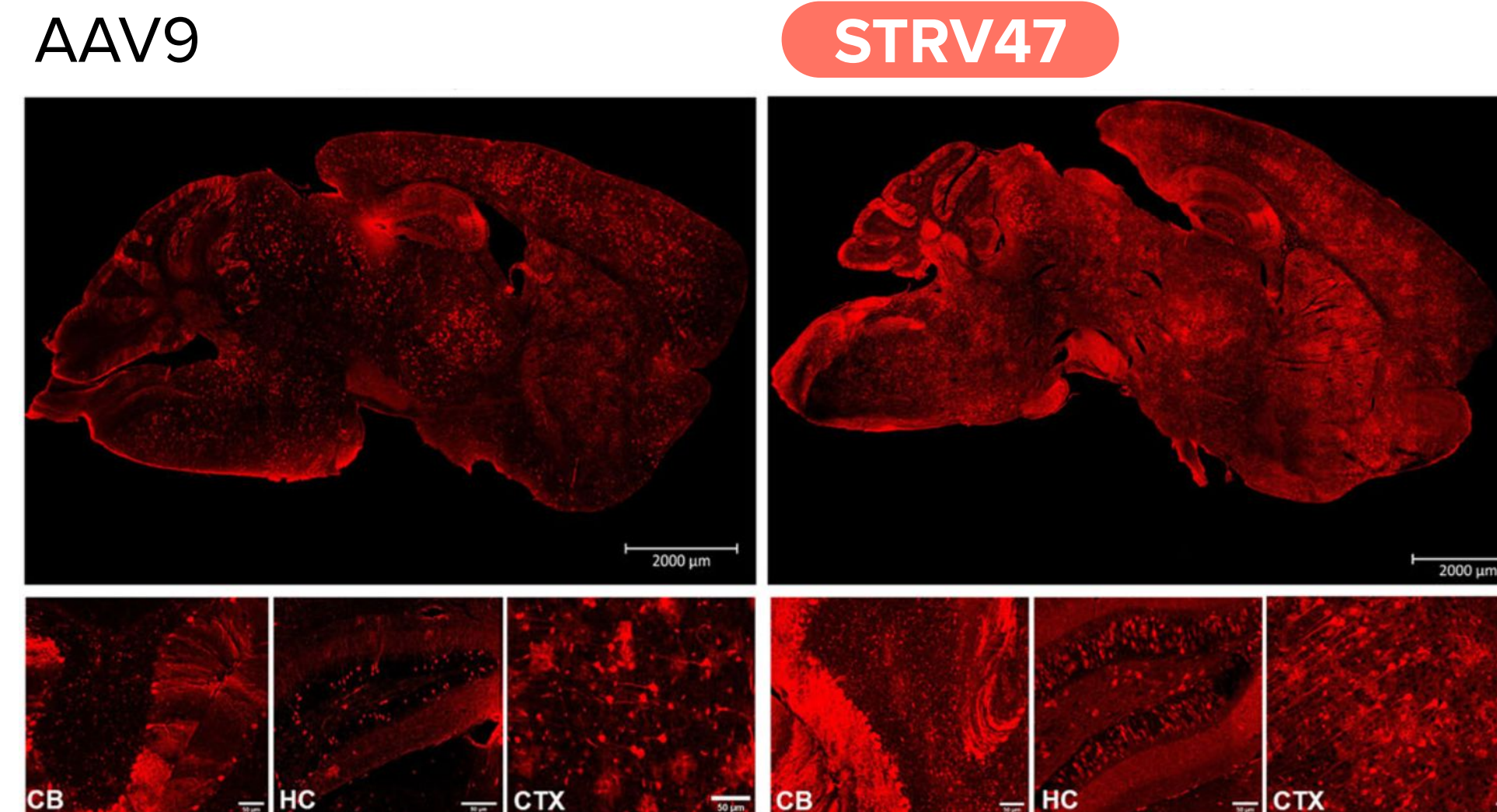
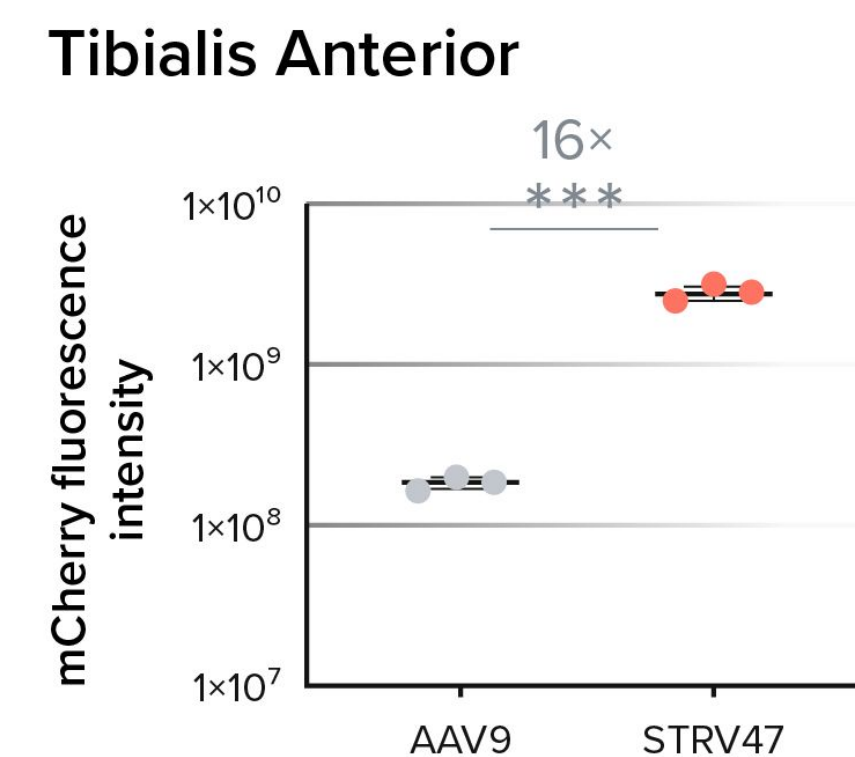
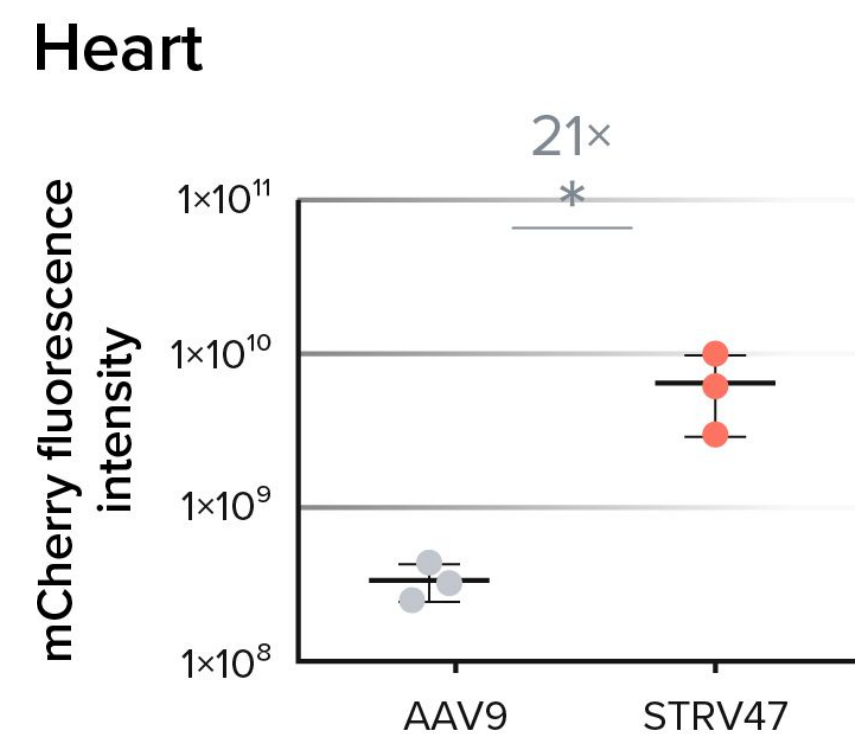
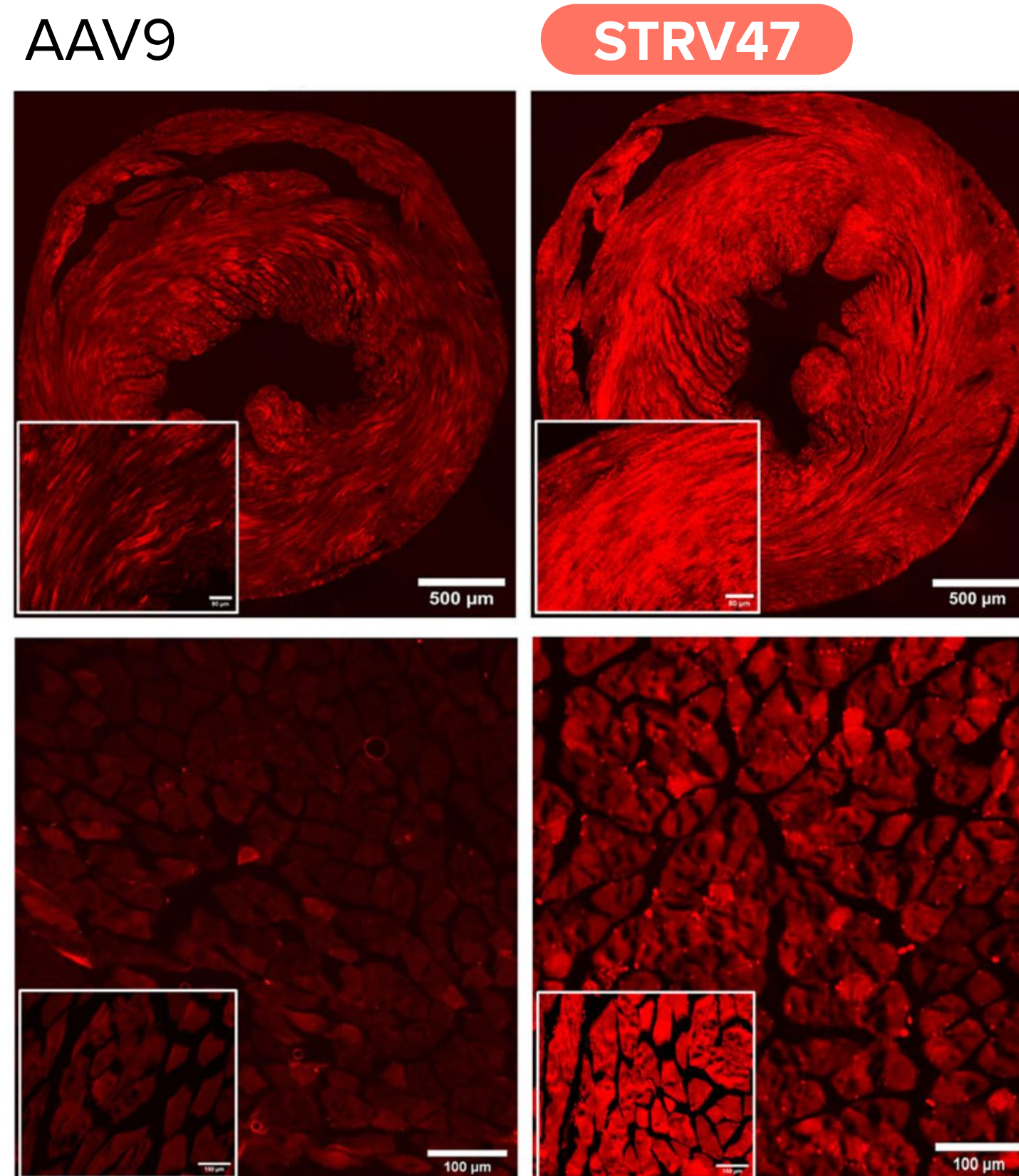
# Cross-Species Evolution targeting enrichment of CNS-tropic capsid sequences

A VR-IV saturation library was cycled through 3-week old piglets, 8-week old mice, and 2 year old cynomolgous macaques, amplifying material from multiple regions of the CNS in each round



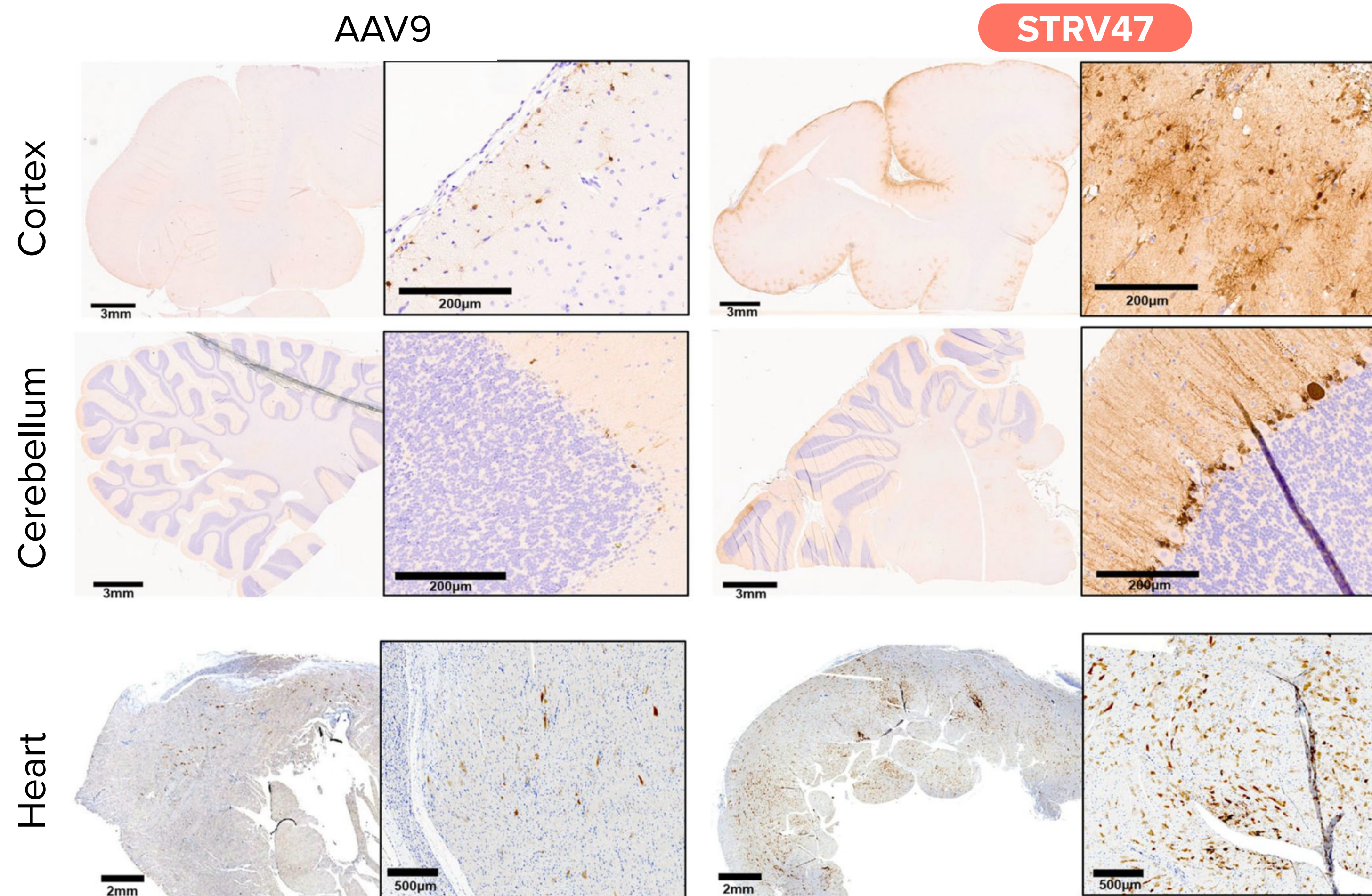


# STRV47 exhibits increased potency as measured by reporter expression in the mouse heart, muscle, and CNS relative to AAV9





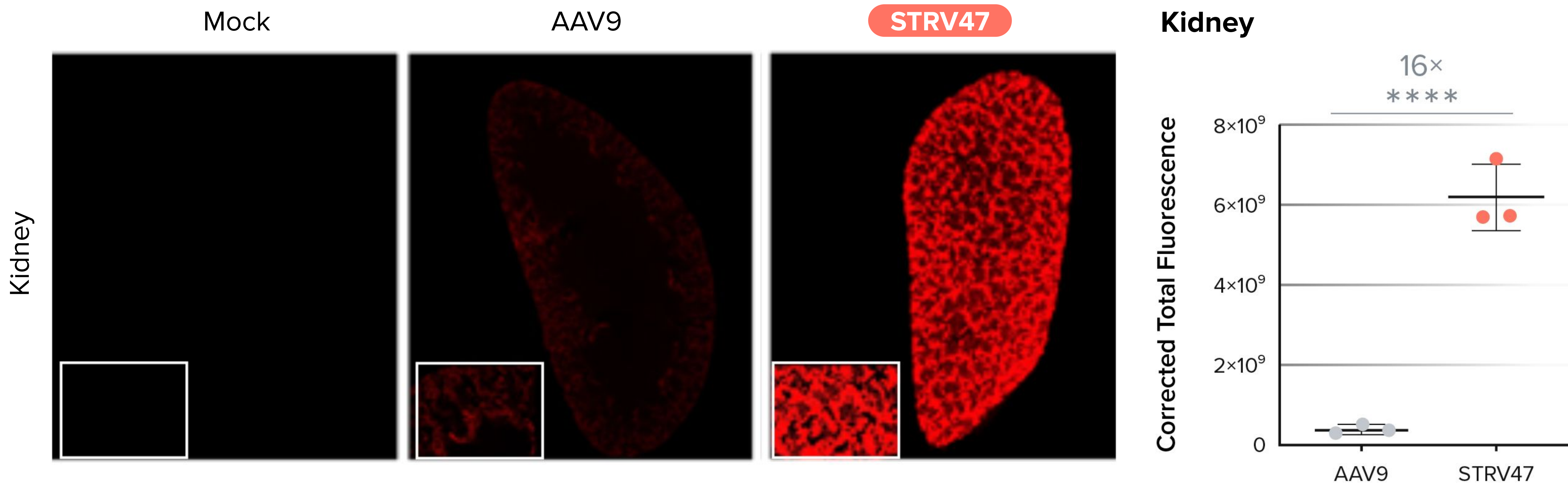
# STRV47 displays increased tissue transduction over AAV9 when delivered via ICM in NHPs





# STRV47 exhibits robust kidney expression when delivered IV in mice

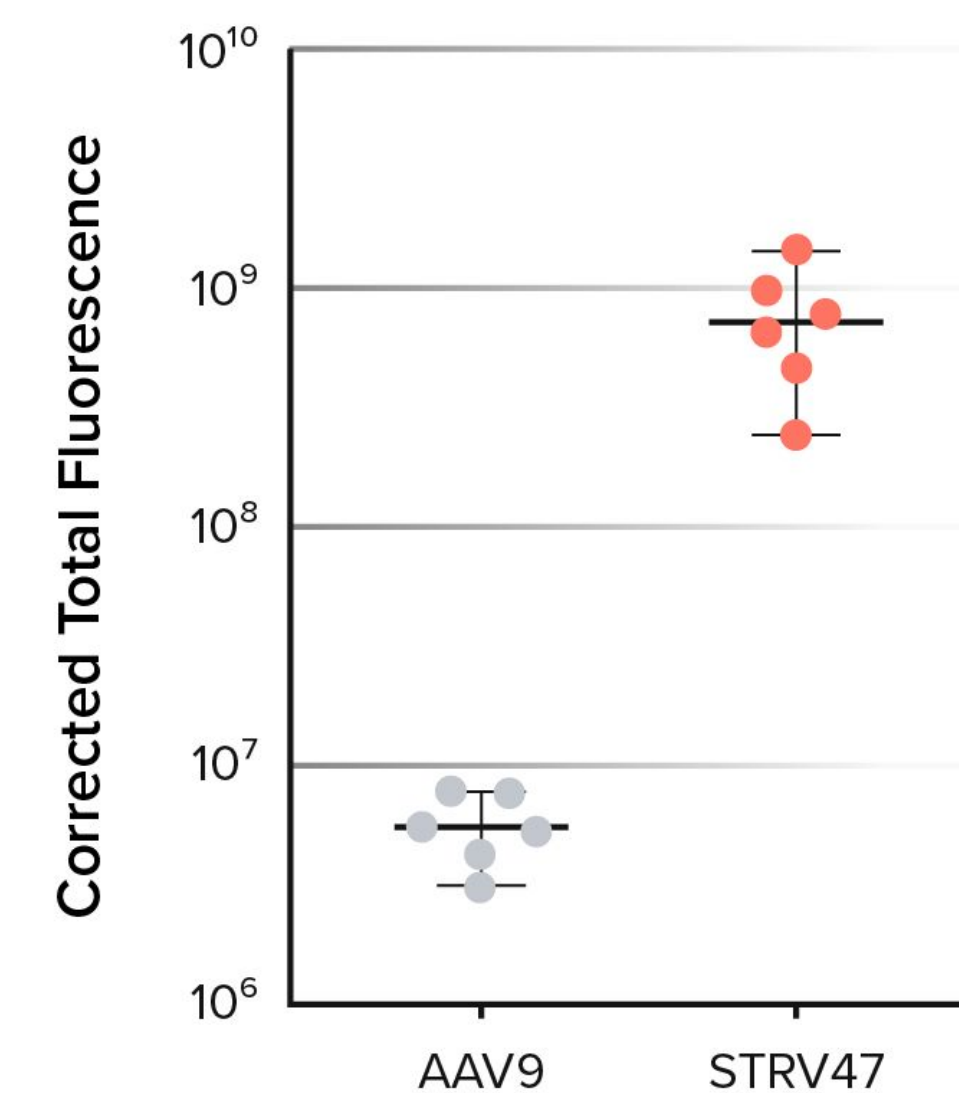
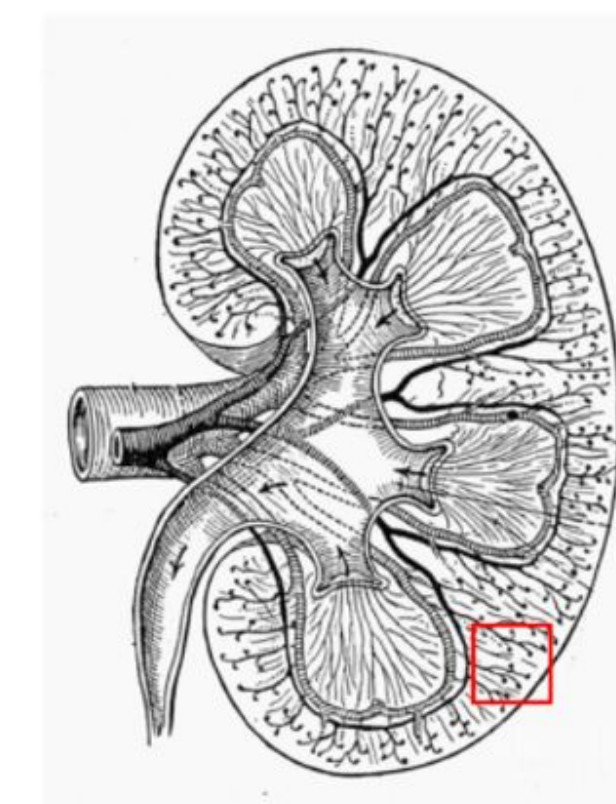
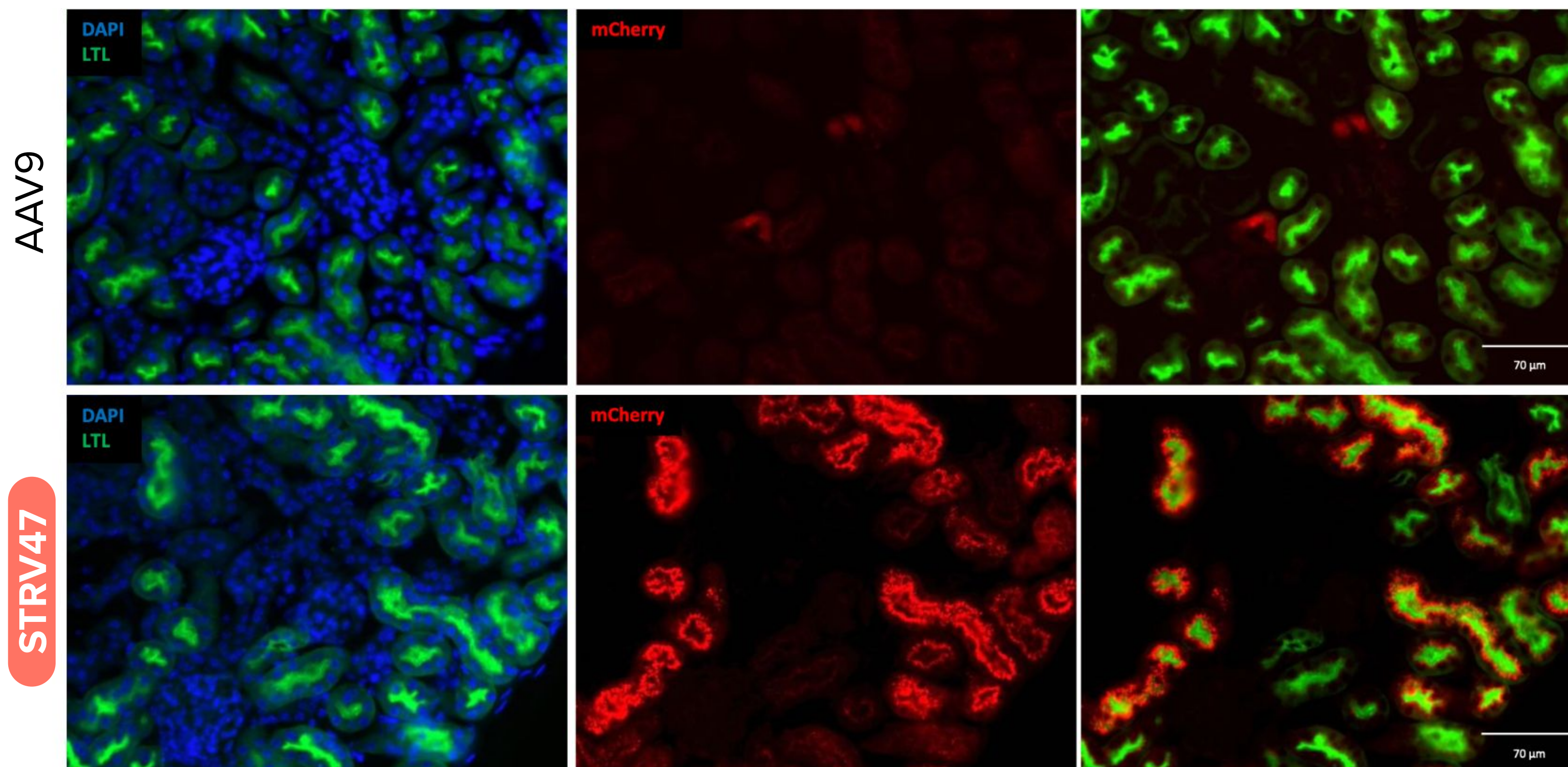
Seen for both self-comp and single-stranded reporter cassettes, self-comp shown





# STRV47 mediates mCherry expression in proximal tubules

LTL costaining in green





# STRV47 expresses functional Cre in both glomeruli and intersitium around proximal tubules in an Ai9 mouse model

Synaptopodin and DBA costaining further supports

