

Supplementary Information

Supplementary Figure S1. Vector genome biodistribution in CNS and PNS tissues. Vector genome copy (GC) quantification by quantitative PCR in specimens collected at tissue harvest, three years and eight months post-intrathecal vector administration in infant rhesus monkeys. Fr. Frontal, Temp. Temporal, prox. proximal, dist. Distal. Dotted line: limit of detection 0.0001 GC/dg.

Supplementary Table S1. Study design overview

Animal #	Day 1 (birth)	1 month	1-9 months	1-3 years	3 years 9 months
1 F	AAV8.TBG.hIDUA 4.6×10^{11} GC*	AAV9.CB7.hIDUA 1.7×10^{12} GC ^t	Weekly to monthly blood and CSF sampling	Yearly blood sampling	Blood, CSF, PBMC, tissue collection
2 M	AAV8.TBG.hIDUA 3.8×10^{11} GC*	AAV9.CB7.hIDUA 1.8×10^{12} GC ^t			
3 M	AAV8.LSP.hFIX 4.7×10^{11} GC*	AAV9.CB7.hIDUA 2.2×10^{12} GC ^t			
4 M	AAV8.LSP.hFIX 5×10^{11} GC*	AAV9.CB7.hIDUA 2.1×10^{12} GC ^t			

* 1×10^{12} GC/kg

^t 3×10^{12} GC/kg

GC=genome copies, CSF=cerebrospinal fluid, PBMC=peripheral blood mononuclear cells