

Supplementary Data

Supplementary Table S1. *Quantitative assessment of NHP behavior following vector administration^{a,b}*

<i>Behavior scoring</i>		<i>Observed behaviors scored in each category</i>
Anxiety score ^c	} Healthy	Chewing, penile erection, scratching, yawning, threaten outside Bipedal lookout, shift, tail flag, vertical climb, vocalization Cage pick, self-groom, eating, drinking
Arousal score ^c		
Quiet behaviors score ^c		
Sedation score ^d	} Abnormal	Eyes closed, freeze (motionless), face down Stereotypy, dyskinesia, dystonia
Abnormal motions score ^d		

^aBehavioral assessments were done pre-vector administration and on days 0, 28, and 56 post-vector administration.

^bSpecific NHP behavior (normal referred to as healthy and abnormal) described in this table was visually assessed by two observers blinded to treatment and vector administration route from the videotape sessions of primates in individual home cages in the absence of stimuli. The primates were given a score of "1" for 5 s of each specific healthy (normal) and abnormal behavior. The totals for each behavior were determined for 3 min assessment session, and assigned into the anxiety, arousal, quiet behavior, sedation, and abnormal motion categories as described above.

^cThe sum of normal typical primate behaviors (anxiety, arousal, and quiet behaviors) was calculated as the "healthy" score for each session.

^dThe sum of abnormal behaviors (sedation and abnormal motions) was calculated as the "abnormal" score for each session.